

Form 5500

Annual Return/Report of Employee Benefit Plan

OMB Nos. 1210-0110 1210-0089

2023

This Form is Open to Public Inspection

Department of the Treasury Internal Revenue Service

Department of Labor Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

Complete all entries in accordance with the instructions to the Form 5500.

Part I Annual Report Identification Information

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

- A This return/report is for: a multiemployer plan, a multiple-employer plan, a single-employer plan, a DFE (specify), the first return/report, the final return/report, an amended return/report, a short plan year return/report (less than 12 months)
B This return/report is:
C If the plan is a collectively-bargained plan, check here.
D Check box if filing under: Form 5558, automatic extension, the DFVC program, special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.

Part II Basic Plan Information—enter all requested information

1a Name of plan: MICROMERITICS 401(K) PLAN
1b Three-digit plan number (PN): 001
1c Effective date of plan: 01/01/1985
2a Plan sponsor's name (employer, if for a single-employer plan): MICROMERITICS INSTRUMENT CORPORATION
2b Employer Identification Number (EIN): 58-0909636
2c Plan Sponsor's telephone number: 770-709-7107
2d Business code (see instructions): 335900

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

Table with 4 columns: SIGN HERE, Signature of plan administrator, Date, Enter name of individual signing as plan administrator. Includes rows for employer/plan sponsor and DFE.

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2023) v. 230707

3a Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	3b Administrator's EIN	
	3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN	
	4d PN	
5 Total number of participants at the beginning of the plan year	5	322
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	6a(1)	235
	6a(2)	258
	6b	6
	6c	78
	6d	342
	6e	1
	6f	343
	6g(1)	294
6g(2)	329	
6h	16	
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:
2E 2F 2G 2J 2K 2S 2T 3D

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply)	9b Plan benefit arrangement (check all that apply)
(1) <input checked="" type="checkbox"/> Insurance	(1) <input checked="" type="checkbox"/> Insurance
(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts	(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts
(3) <input checked="" type="checkbox"/> Trust	(3) <input checked="" type="checkbox"/> Trust
(4) <input type="checkbox"/> General assets of the sponsor	(4) <input type="checkbox"/> General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules	b General Schedules
(1) <input checked="" type="checkbox"/> R (Retirement Plan Information)	(1) <input checked="" type="checkbox"/> H (Financial Information)
(2) <input type="checkbox"/> MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary	(2) <input type="checkbox"/> I (Financial Information – Small Plan)
(3) <input type="checkbox"/> SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	(3) <input checked="" type="checkbox"/> A (Insurance Information) – Number Attached <u>1</u>
(4) <input type="checkbox"/> DCG (Individual Plan Information) – Number Attached _____	(4) <input checked="" type="checkbox"/> C (Service Provider Information)
(5) <input type="checkbox"/> MEP (Multiple-Employer Retirement Plan Information)	(5) <input type="checkbox"/> D (DFE/Participating Plan Information)
	(6) <input type="checkbox"/> G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) Yes No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) Yes No

11c Enter the Receipt Confirmation Code for the 2023 Form M-1 annual report. If the plan was not required to file the 2023 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

**SCHEDULE A
(Form 5500)**

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Insurance Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).

▶ **File as an attachment to Form 5500.**

▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).

OMB No. 1210-0110

2023

This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning **01/01/2023** and ending **12/31/2023**

A Name of plan MICROMERITICS 401(K) PLAN		B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 MICROMERITICS INSTRUMENT CORPORATION		D Employer Identification Number (EIN) 58-0909636

Part I Information Concerning Insurance Contract Coverage, Fees, and Commissions Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.

1 Coverage Information:

(a) Name of insurance carrier
STANDARD INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
93-0242990	69019	814325	52	01/01/2023	12/31/2023

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid 0	(b) Total amount of fees paid 0
---	--

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information
 Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	0
5 Current value of plan's interest under this contract in separate accounts at year end.....	5	0

6 Contracts With Allocated Funds:

a State the basis of premium rates ▶

b Premiums paid to carrier	6b	
c Premiums due but unpaid at the end of the year.....	6c	
d If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. Specify nature of costs ▶	6d	

e Type of contract: (1) individual policies (2) group deferred annuity
 (3) other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) deposit administration (2) immediate participation guarantee
 (3) guaranteed investment (4) other ▶

b Balance at the end of the previous year **7b** 3715513

c Additions: (1) Contributions deposited during the year	7c(1)	190919
(2) Dividends and credits	7c(2)	0
(3) Interest credited during the year	7c(3)	0
(4) Transferred from separate account.....	7c(4)	0
(5) Other (specify below)	7c(5)	346593

▶ OTHER INCOME

(6) Total additions **7c(6)** 537512

d Total of balance and additions (add lines **7b** and **7c(6)**) **7d** 4253025

e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	604101
(2) Administration charge made by carrier	7e(2)	31340
(3) Transferred to separate account.....	7e(3)	0
(4) Other (specify below)	7e(4)	722193

▶ OTHER EXPENSES

(5) Total deductions **7e(5)** 1357634

f Balance at the end of the current year (subtract line **7e(5)** from line **7d**) **7f** 2895391

Part III Welfare Benefit Contract Information
 If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

- 8** Benefit and contract type (check all applicable boxes)
- | | | | |
|--|--|---|--|
| a <input type="checkbox"/> Health (other than dental or vision) | b <input type="checkbox"/> Dental | c <input type="checkbox"/> Vision | d <input type="checkbox"/> Life insurance |
| e <input type="checkbox"/> Temporary disability (accident and sickness) | f <input type="checkbox"/> Long-term disability | g <input type="checkbox"/> Supplemental unemployment | h <input type="checkbox"/> Prescription drug |
| i <input type="checkbox"/> Stop loss (large deductible) | j <input type="checkbox"/> HMO contract | k <input type="checkbox"/> PPO contract | l <input type="checkbox"/> Indemnity contract |
| m <input type="checkbox"/> Other (specify) ▶ | | | |

9 Experience-rated contracts:

a Premiums: (1) Amount received		9a(1)	
(2) Increase (decrease) in amount due but unpaid.....		9a(2)	
(3) Increase (decrease) in unearned premium reserve		9a(3)	
(4) Earned ((1) + (2) - (3)).....		9a(4)	0
b Benefit charges (1) Claims paid.....		9b(1)	
(2) Increase (decrease) in claim reserves		9b(2)	
(3) Incurred claims (add (1) and (2)).....		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies.....	9c(1)(F)		
(G) Other retention charges.....	9c(1)(G)		
(H) Total retention	9c(1)(H)		0
(2) Dividends or retroactive rate refunds. (These amounts were <input type="checkbox"/> paid in cash, or <input type="checkbox"/> credited.).....		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves.....		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	
10 Nonexperience-rated contracts:			
a Total premiums or subscription charges paid to carrier.....		10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount		10b	

Specify nature of costs.

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A?..... Yes No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	<small>OMB No. 1210-0110</small> 2023 This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning **01/01/2023** and ending **12/31/2023**

A Name of plan MICROMERITICS 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 MICROMERITICS INSTRUMENT CORPORATION	D Employer Identification Number (EIN) 58-0909636	

Part I Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... Yes No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
37 60 64 65	RECORDKEEPER	31357	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	0	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
DH LARGE CAP I - DIAMOND HILL CAPI 325 JOHN H. MCCONNELL BOULEVARD, SUITE 200 COLUMBUS, OH 43215	0.10%	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

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(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2023 This Form is Open to Public Inspection
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
A Name of plan MICROMERITICS 401(K) PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 MICROMERITICS INSTRUMENT CORPORATION	D Employer Identification Number (EIN) 58-0909636

Part I	Asset and Liability Statement
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1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets	(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a 0	0
b Receivables (less allowance for doubtful accounts):		
(1) Employer contributions	1b(1) 0	0
(2) Participant contributions	1b(2) 0	0
(3) Other	1b(3) 0	0
c General investments:		
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1) 577	4559
(2) U.S. Government securities	1c(2) 0	0
(3) Corporate debt instruments (other than employer securities):		
(A) Preferred	1c(3)(A) 0	0
(B) All other	1c(3)(B) 0	0
(4) Corporate stocks (other than employer securities):		
(A) Preferred	1c(4)(A) 0	0
(B) Common	1c(4)(B) 0	0
(5) Partnership/joint venture interests	1c(5) 0	0
(6) Real estate (other than employer real property)	1c(6) 0	0
(7) Loans (other than to participants)	1c(7) 0	0
(8) Participant loans	1c(8) 194512	288210
(9) Value of interest in common/collective trusts	1c(9) 0	0
(10) Value of interest in pooled separate accounts	1c(10) 0	0
(11) Value of interest in master trust investment accounts	1c(11) 0	0
(12) Value of interest in 103-12 investment entities	1c(12) 0	0
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13) 19108974	21410283
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14) 3715513	2895391
(15) Other	1c(15) 0	0

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	23019576	24598443
Liabilities			
g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	23019576	24598443

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	515932	
(B) Participants	2a(1)(B)	1628475	
(C) Others (including rollovers)	2a(1)(C)	860767	
(2) Noncash contributions	2a(2)	0	
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		3005174
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	137	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	16271	
(F) Other	2b(1)(F)	76417	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		92825
(2) Dividends:			
(A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	829562	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		829562
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets:			
(A) Aggregate proceeds	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets:			
(A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		0
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		3027093
c Other income.....	2c		0
d Total income. Add all income amounts in column (b) and enter total.....	2d		6954654

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	5341177	
(2) To insurance carriers for the provision of benefits.....	2e(2)	0	
(3) Other.....	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		5341177
f Corrective distributions (see instructions).....	2f		1670
g Certain deemed distributions of participant loans (see instructions).....	2g		0
h Interest expense.....	2h		0
i Administrative expenses:			
(1) Salaries and allowances.....	2i(1)	0	
(2) Contract administrator fees.....	2i(2)	0	
(3) Recordkeeping fees.....	2i(3)	31357	
(4) IQPA audit fees.....	2i(4)	0	
(5) Investment advisory and investment management fees.....	2i(5)	1583	
(6) Bank or trust company trustee/custodial fees.....	2i(6)	0	
(7) Actuarial fees.....	2i(7)	0	
(8) Legal fees.....	2i(8)	0	
(9) Valuation/appraisal fees.....	2i(9)	0	
(10) Other trustee fees and expenses.....	2i(10)	0	
(11) Other expenses.....	2i(11)	0	
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		32940
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		5375787

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		1578867
l Transfers of assets:			
(1) To this plan.....	2l(1)		0
(2) From this plan.....	2l(2)		0

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) Unmodified (2) Qualified (3) Disclaimer (4) Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) DOL Regulation 2520.103-8 (2) DOL Regulation 2520.103-12(d) (3) neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: SMITH AND HOWARD

(2) EIN: 58-1250486

d The opinion of an independent qualified public accountant is **not attached** as part of Schedule H because:

(1) This form is filed for a CCT, PSA, DCG or MTIA. (2) It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

During the plan year:

	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)		X	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		X	
e Was this plan covered by a fidelity bond?	X		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.		X	

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? Yes No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) Yes No Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	<small>OMB No. 1210-0110</small> 2023 This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan <u>MICROMERITICS 401(K) PLAN</u>	B Three-digit plan number (PN) ▶	<u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>MICROMERITICS INSTRUMENT CORPORATION</u>	D Employer Identification Number (EIN) <u>58-0909636</u>	

Part I	Distributions
---------------	----------------------

All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1	
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>04-6568107</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
----------------	---

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

Part III	Amendments
-----------------	-------------------

9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input type="checkbox"/> Both	<input type="checkbox"/> No
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Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
----------------	---

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
11 a Does the ESOP hold any preferred stock?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. Complete as many entries as needed to report all applicable employers.

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: <input type="checkbox"/> last contributing employer <input type="checkbox"/> alternative <input type="checkbox"/> reasonable approximation (see instructions for required attachment)	14a	
b The plan year immediately preceding the current plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
c The second preceding plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	14c	

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year	15a	
b The corresponding number for the second preceding plan year	15b	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year	16a	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	16b	

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment.....

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment.....

19 If the total number of participants is 1,000 or more, complete lines (a) and (b):

a Enter the percentage of plan assets held as:
 Public Equity: _____% Private Equity: _____% Investment-Grade Debt and Interest Rate Hedging Assets: _____%
 High-Yield Debt: _____% Real Assets: _____% Cash or Cash Equivalents: _____% Other: _____%

b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets:
 0-5 years 5-10 years 10-15 years 15 years or more

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? Yes No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:
 Yes.
 No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.
 No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.
 No. Other. Provide explanation.....

Part VII IRS Compliance Questions

21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? Yes No

21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).
 Design-based safe harbor method
 "Prior year" ADP test
 "Current year" ADP test
 N/A

22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter 06 / 30 / 2020 (MM/DD/YYYY) and the Opinion Letter serial number Q702438A.

MICROMERITICS 401(k) PLAN

FINANCIAL STATEMENTS
DECEMBER 31, 2023 AND 2022
and
SUPPLEMENTAL SCHEDULE

with
INDEPENDENT AUDITORS' REPORT

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INDEPENDENT AUDITORS' REPORT

Members of the Retirement Committee and Participants of Micromeritics 401(k) Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed an audit of the financial statements of Micromeritics 401(k) Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 ("ERISA"), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statements of net assets available for benefits as of December 31, 2023 and 2022, and the related statement of changes in net assets available for benefits for the year ended December 31, 2023 and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audit of the Financial Statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's ("DOL's") Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit need not extend to any statements or information related to assets held for investment of the Plan ("investment information") by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of DOL's Rules and Regulations for Reporting and Disclosure under ERISA ("qualified institution").

Management has obtained a certification from a qualified institution as of December 31, 2023 and 2022, and for the year ended December 31, 2023, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audit and on the procedures performed as described in the Auditors' Responsibilities for the Audit section:

- The amounts and disclosures in the accompanying Financial Statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America ("GAAP").
- The information in the accompanying Financial Statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America ("GAAS"). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for one year after the date that the financial statements are issued or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the plan, and determining that the plan's transactions that are presented and disclosed in the financial statements are in conformity with the plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditors' Responsibilities for the Audit

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if, there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audit did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the Financial Statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the Financial Statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter

Supplemental Schedule Required by ERISA

The supplemental Schedule of Assets (Held at End of Year) as of December 31, 2023, is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS.

For information included in the supplemental schedule that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion

- The form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedule related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Smith and Howard

Atlanta, GA
June 20, 2024

**MICROMERITICS 401(k) PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2023 AND 2022**

ASSETS

	<u>2023</u>	<u>2022</u>
Investments, at Fair Value:		
Mutual funds	\$ 21,414,842	\$ 19,109,551
Collective trust	<u>2,895,391</u>	<u>3,715,513</u>
	<u>24,310,233</u>	<u>22,825,064</u>
Notes Receivable From Participants	<u>288,210</u>	<u>194,512</u>
	<u>288,210</u>	<u>194,512</u>
Net Assets Available for Benefits	<u>\$ 24,598,443</u>	<u>\$ 23,019,576</u>

The accompanying notes are an integral part of these financial statements.

MICROMERITICS 401(k) PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEAR ENDED DECEMBER 31, 2023

Contributions:	
Participant	\$ 1,628,475
Employer	515,932
Rollover	<u>860,767</u>
	<u>3,005,174</u>
Investment Income:	
Net appreciation in fair value of investments	3,102,048
Dividend and interest income	<u>831,161</u>
	<u>3,933,209</u>
Interest Income on Notes Receivable from Participants	<u>16,271</u>
Deductions:	
Benefits paid to participants	(5,342,847)
Administrative expenses	<u>(32,940)</u>
	<u>(5,375,787)</u>
Increase in Net Assets Available for Benefits	1,578,867
Net Assets Available for Benefits at Beginning of Year	<u>23,019,576</u>
Net Assets Available for Benefits at End of Year	<u>\$ 24,598,443</u>

The accompanying notes are an integral part of these financial statements.

**MICROMERITICS 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2023 AND 2022**

NOTE 1 – DESCRIPTION OF THE PLAN

The following description of Micromeritics 401(k) Plan (the “Plan”) provides only general information. Refer to Plan documents for a more complete description of Plan provisions.

General

The Plan is a defined contribution plan, adopted January 1, 1985, covering all employees of Micromeritics Instrument Corporation (the “Company”) and restated effective May 20, 2022. The Plan is subject to the provisions of the Department of Labor’s (“DOL”) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (“ERISA”). The Plan is subject to the provisions of ERISA. The 401(k) Plan’s Board of Trustees is responsible for oversight of the Plan, determines the appropriateness of the Plan’s investment offerings and monitors investment performance.

Eligibility

Employees as defined by the Plan documents are eligible to participate in the Plan and make employee contributions once they meet the service requirement of completing one month of service and twenty-one years of age. Effective February 27, 2023, the Company amended the Plan for employees that are eligible to participate. After meeting the eligibility requirements, an employee is automatically enrolled in the Plan the first day of the month coinciding with or following the date the eligibility requirements are met.

Contributions

Each year, participants may contribute up to 85 percent of their annual compensation, as defined in the Plan. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans (“rollovers”). The Plan includes an auto-enrollment provision whereby all newly eligible employees are automatically enrolled in the Plan unless they affirmatively elect not to participate in the Plan. Automatically enrolled participants have their deferral rate set at 4 percent of eligible compensation. In conjunction with the automatic enrollment program, the Plan also provides for automatic increase of deferrals by 1% every anniversary of a participant’s initial date of eligibility until a participant reaches 6%. The Company contributed a discretionary match of 25 percent up to 4 percent of EE contributions during the first quarter, 50 percent up to 6 percent of EE contributions during second, third and fourth quarters. Additional profit-sharing amounts may be contributed at the option of the Company’s Board of Directors. In 2023, the Company’s Board of Directors did not authorize the contribution of any profit-sharing amounts. Contributions are subject to certain Internal Revenue Service (“IRS”) limitations.

Contributions from Plan participants and the matching contributions from the Company are recorded in the year in which the employee contributions are withheld from compensation.

**MICROMERITICS 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2023 AND 2022**

NOTE 1 – DESCRIPTION OF THE PLAN (Continued)

Participant Accounts

Each participant account is credited with participant contributions and allocations of (a) the Company's contribution and (b) Plan net earnings and losses and charged with an allocation of the Plan's administrative expense. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting

Participants are vested immediately in their contributions and rollovers to the Plan plus actual earnings thereon. Vesting in the Company's discretionary matching and profit-sharing contribution portion of their accounts is based on years of continuous service. A participant is 100 percent vested after one year of credited service.

Notes Receivable from Participants

Participants may borrow from their fund accounts up to a maximum equal to the lesser of \$50,000 or 50 percent of their account balance. Generally, the loan term may not exceed five years however a longer repayment period may be permitted for the purchase of a principal residence. The loans are secured by the balance in the participant's account and bear interest at rates which are commensurate with local prevailing rates as determined quarterly by the Plan administrator. Interest rates range from 3.25% to 10.50% for notes receivable from participants outstanding at December 31, 2023.

Principal and interest are paid ratably through payroll deductions. The Plan charges a small processing and handling fee to participants who borrow funds from their accounts. If an employee defaults on a participant note and fails to catch up the loan payments within a specified administrative period, the note balance will be deemed a distribution of the participant's account.

Forfeited Accounts

Forfeitures of terminated participants' non-vested accounts can be used to reduce employer contributions and pay plan expenses of the Company. At December 31, 2023 and 2022, the balance of forfeited accounts totaled \$38,322 and \$60,050, respectively. During 2023, \$30,859 of forfeitures was used to and pay plan expenses.

Payment of Benefits

On termination of service due to death, disability, retirement, or the participant's termination of employment, the participant may elect to receive the value of the participant's vested interest in his or her account as a single lump-sum payment or as installments over the participant's life expectancy (or the participant's and the beneficiary's life expectancies). Active employees may withdraw vested funds upon attainment of age 59 ½ or for reasons of financial hardship as defined in the Plan. If the participant's vested balance is less than \$5,000, the participant will receive a single lump-sum payment as soon as administratively possible following the event that entitles the participant to a distribution.

**MICROMERITICS 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2023 AND 2022**

NOTE 1 – DESCRIPTION OF THE PLAN (Continued)

Plan Expenses

Administrative expenses of the Plan are primarily paid by the Company. A proportionate share of fees and expenses paid by the Plan are charged to each participant's account. During 2023, the plan fees, including advisor and administrative, were benchmarked by management.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting. The Plan follows accounting standards set by the Financial Accounting Standards Board ("FASB"). The FASB sets accounting principles generally accepted in the United States of America ("GAAP").

Use of Estimates

The preparation of financial statements requires the Plan's management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Risks and Uncertainties

The Plan provides for various investment options in any combination of mutual funds and common collective trust. These investments are exposed to various risks, such as interest rate, prepayment, market, and credit risk. Market risks include global events which could impact the value of investment securities, it is reasonably possible that changes in the value of securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits.

At December 31, 2023 and 2022, four investments comprised approximately 50% and 49% of total investments at fair value, respectively.

Investments Valuation and Income Recognition

The investments of the Plan are reported at fair value. The fair value of a financial instrument is the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (the "exit price").

Management fees charged to the Plan for investments in mutual funds and the collective trust fund are deducted from income earned on a daily basis and are not separately reflected. Consequently, management fees are reflected as a reduction of investment return for such investments. Investments are evaluated by management on a quarterly basis based on the criteria set forth in the investment policy statement.

Purchases and sales of securities are recorded on a trade date basis. Dividends are recorded on the ex-dividend date. Interest income is recorded on the accrual basis. Net appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

**MICROMERITICS 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2023 AND 2022**

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Notes Receivable

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2023 and 2022. If a participant ceases to make loan repayments and the plan administrator deems the participant loan to be in default, the participant loan balance is reduced and a benefit payment is recorded.

Payment of Benefits

Benefit payments to participants are recorded upon distribution.

NOTE 3 – INVESTMENTS (Unaudited)

The plan administrator has elected the method of annual reporting compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Fidelity Management Trust Company ("Fidelity"), the trustee, has provided certification that the financial information included in the financial statements and supplemental schedule as of December 31, 2023 and 2022 and for the year ended December 31, 2023 provided to the Plan is complete and accurate. The information as to investment assets and transactions therein, and investment income included in the accompanying financial statements and supplemental schedule as of December 31, 2023 and 2022 and for the year ended December 31, 2023 is covered by such certifications and has not been audited by independent auditors.

NOTE 4 – FAIR VALUE MEASUREMENTS

GAAP establishes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy under GAAP are described below:

Basis of Fair Value Measurement

Level 1 – Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities;

Level 2 – Quoted prices in markets that are not considered to be active or financial instruments for which all significant inputs are observable, either directly or indirectly;

Level 3 – Prices or valuations that require inputs that are both significant to the fair value measurement and unobservable.

**MICROMERITICS 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2023 AND 2022**

NOTE 4 – FAIR VALUE MEASUREMENTS (Continued)

Basis of Fair Value Measurement (Continued)

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2023 and 2022.

Mutual Funds

Mutual funds valued at the net asset value (“NAV”) of shares held by the Plan at year end. Mutual funds held by the Plan are open-end mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily NAV and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

Collective Trust

The collective trust is valued at the NAV of units of the collective trust. The NAV, as provided by the trustee, is used as a practical expedient to estimate fair value. This practical expedient would not be used if it is determined to be probable that the fund will sell the investment for an amount different from the reported net asset value. Participant transactions (purchases and sales) may occur daily.

The following tables set forth by level within the fair value hierarchy the Plan investments assets and investment liabilities at fair value as of December 31:

	<u>2023</u>				
	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>NAV (*)</u>	<u>Total</u>
Mutual Funds	\$ 21,414,842	\$ -	\$ -	\$ -	\$ 21,414,842
Collective Trust	<u>-</u>	<u>-</u>	<u>-</u>	<u>2,895,391</u>	<u>2,895,391</u>
Total Investments at Fair Value	<u>\$ 21,414,842</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 2,895,391</u>	<u>\$ 24,310,233</u>
	<u>2022</u>				
	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>NAV (*)</u>	<u>Total</u>
Mutual Funds	\$ 19,109,551	\$ -	\$ -	\$ -	\$ 19,109,551
Collective Trust	<u>-</u>	<u>-</u>	<u>-</u>	<u>3,715,513</u>	<u>3,715,513</u>
Total Investments at Fair Value	<u>\$ 19,109,551</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,715,513</u>	<u>\$ 22,825,064</u>

(*) Certain investments that are measured at fair value using the NAV per share (or its equivalent) practical expedient have not been categorized in the fair value hierarchy. The fair value amounts presented in the tables above are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the Statements of Net Assets Available for Benefits.

**MICROMERITICS 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2023 AND 2022**

NOTE 5 – PLAN TERMINATION

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue contributions at any time and terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, participants will become 100% vested in their accounts.

NOTE 6 – RELATED PARTIES AND PARTY-IN-INTEREST TRANSACTIONS

The Plan allows for transactions with certain parties who may perform services or have fiduciary responsibilities to the Plan. These parties include investment advisory, recordkeeping and accounting services.

Certain Plan investments are managed by Fidelity, the trustee of the Plan, therefore these transactions qualify as party-in-interest transactions. Notes receivable from participants are defined by ERISA as party-in-interest transactions.

NOTE 7 – INCOME TAX STATUS

The Plan is based upon a Fidelity Pre-Approved Plan Prototype, which received an opinion letter dated June 30, 2020 from the IRS stating the Prototype Plan was designed in accordance with the provisions of the IRC. Accordingly, the Plan's net investment income is exempt from income taxes. Once qualified, the Plan is required to operate in conformity with the Internal Revenue Code ("IRC") to maintain its qualification. The Plan has been amended since receiving the opinion letter. However, the plan administrator believes that the Plan is designed and currently being operated in compliance with the applicable requirements of the IRC.

NOTE 8 – SECURE ACT 2.0

On December 23, 2022, Congress passed the Consolidated Appropriations Act of 2023 which included SECURE Act 2.0. SECURE Act 2.0 contains over 90 new retirement provisions, with varying effective dates through 2027. Since SECURE Act 2.0 provisions include both required and optional elements, the plan administrator will determine the optional provisions to elect and amend the Plan document accordingly. Most of the significant provisions will become effective in 2024 and thereafter. Accordingly, there is no material impact to the Plan's 2023 financial statements.

NOTE 9 – SUBSEQUENT EVENTS

Management has evaluated subsequent events through June 20, 2024, the date the financial statements were available to be issued.

SUPPLEMENTAL SCHEDULE

MICROMERITICS 401(k) PLAN
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2023

EMPLOYER IDENTIFICATION NUMBER: 58-0909636
 PLAN NUMBER: 001
 FORM: 5500 - Schedule H, Line 4i

(a)	(b)	(c)	(d)	(e)
Identity of issuer, borrower, lessor or similar party	Description of Investment, including maturity date, rate of interest, collateral, par or maturity value	Cost**	Current Value	
Mutual Funds:				
American Funds	Europacific Growth R6		\$	864,342
American Funds	Fundamental Inv R6			2,413,189
American Funds	Balanced R6			1,822,295
American Funds	Growth Fund Amer R6			3,586,565
American Funds	Global Bal R6			44,577
Deleware	Small Cap Value R6			1,033,205
Deleware	Emerging Markets R6			241,890
Diamond Hill	Large Cap I			121,836
* Fidelity	500 Index			3,039,304
* Fidelity	Mid Cap Index			321,276
* Fidelity	International Index			492,846
* Fidelity	Freedom Index 2015			65,440
* Fidelity	Freedom Index 2020			96,485
* Fidelity	Freedom Index 2025			428,905
* Fidelity	Freedom Index 2030			494,328
* Fidelity	Freedom Index 2035			686,885
* Fidelity	Freedom Index 2040			328,732
* Fidelity	Freedom Index 2045			166,422
* Fidelity	Freedom Index 2050			331,765
* Fidelity	Freedom Index 2055			217,935
* Fidelity	Freedom Index 2060			349,339
* Fidelity	Freedom Index 2065			131,660
* Fidelity	Large Cap Growth Index			609,959
* Fidelity	Large Cap Value Index			314,506
* Fidelity	Govt Market K6			4,559
First Eagle	Overseas R6			283,883
Goldman Sachs	Small/Midcap Growth R6			348,247
Pimco	Real Return Inst			412,865
PGM	Total Return R6			569,478
Vanguard	Balanced Index Adm			1,592,124
				<u>21,414,842</u>
Collective Trust:				
Standard	Guaranteed Rate Stable Value Fund			2,895,391
Notes Receivable:				
Participants	Notes receivable with variable maturities and interest rates from 3.25% to 10.50%			288,210
				<u>288,210</u>
			\$	<u>24,598,443</u>

* Represents a party-in-interest.

** All investments are participant directed; therefore cost information is not required.