Form **990-T**

Department of the Treasury
Internal Revenue Service

Exempt Organization Business Income Tax Return
(and proxy tax under section 6033(e))

For calendar year 2015 or other tax year beginning APR 1, 2015 and ending MAR 31, 2016

▶ Information about Form 990 T and its instructions is available at *www irs gov/form990t*

▶ Do not enter SSN numbers on this form as it may be made public if your organization is a 501(c)(3)

OMB No 1545 0687

2015

Open to Public Inspection for 501(c)(3) Organizations Only

A ☐ Check box if address changed

B Exempt under section
☒ 501(c)(3)
☐ 408(e) ☐ 220(e)
☐ 408A ☐ 530(a)
☐ 529(a)

Print or Type

Name of organization (☐ Check box if name changed and see instructions)
JCPDS-INTERNATIONAL CENTRE FOR DIFFRACTION DATA

Number, street, and room or suite no If a P O box see instructions
12 CAMPUS BOULEVARD

City or town, state or province, country, and ZIP or foreign postal code
NEWTOWN SQUARE, PA 19073-3273

D Employer identification number (Employees trust see instructions)
23-1722541

E Unrelated business activity codes (See instructions)
541800

C Book value of all assets at end of year
23,384,494.

F Group exemption number (See instructions) ▶

G Check organization type ▶ ☒ 501(c) corporation ☐ 501(c) trust ☐ 401(a) trust ☐ Other trust

H Describe the organization s primary unrelated business activity ▶ SEE STATEMENT 1

I During the tax year, was the corporation a subsidiary in an affiliated group or a parent subsidiary controlled group? ▶ ☐ Yes ☒ No

If "Yes, enter the name and identifying number of the parent corporation ▶

J The books are in care of ▶ DONNA M. BARRY Telephone number ▶ 610 325-9814

Part I Unrelated Trade or Business Income		(A) Income	(B) Expenses	(C) Net
1a Gross receipts or sales; b Less returns and allowances; c Balance ▶	1c			
2 Cost of goods sold (Schedule A, line 7)	2			
3 Gross profit Subtract line 2 from line 1c	3			
4a Capital gain net income (attach Schedule D)	4a			
b Net gain (loss) (Form 4797, Part II, line 17) (attach Form 4797)	4b			
c Capital loss deduction for trusts	4c			
5 Income (loss) from partnerships and S corporations (attach statement)	5			
6 Rent income (Schedule C)	6			
7 Unrelated debt-financed income (Schedule E)	7			
8 Interest, annuities, royalties, and rents from controlled organizations (Sch F)	8			
9 Investment income of a section 501(c)(7), (9), or (17) organization (Schedule G)	9			
10 Exploited exempt activity income (Schedule I)	10			
11 Advertising income (Schedule J)	11	26,050.		26,050.
12 Other income (See instructions, attach schedule)	12			
13 **Total** Combine lines 3 through 12	13	26,050.		26,050.

Part II Deductions Not Taken Elsewhere (See instructions for limitations on deductions)
(Except for contributions, deductions must be directly connected with the unrelated business income)

14	Compensation of officers directors and trustees (Schedule K)		14	
15	Salaries and wages		15	
16	Repairs and maintenance		16	
17	Bad debts		17	
18	Interest (attach schedule)		18	
19	Taxes and licenses		19	
20	Charitable contributions (See instructions for limitation rules)		20	
21	Depreciation (attach Form 4562)	21		
22	Less depreciation claimed on Schedule A and elsewhere on return	22a	22b	
23	Depletion		23	
24	Contributions to deferred compensation plans		24	
25	Employee benefit programs		25	
26	Excess exempt expenses (Schedule I)		26	
27	Excess readership costs (Schedule J)		27	26,050.
28	Other deductions (attach schedule)		28	
29	**Total deductions** Add lines 14 through 28		29	26,050.
30	Unrelated business taxable income before net operating loss deduction Subtract line 29 from line 13		30	0.
31	Net operating loss deduction (limited to the amount on line 30)		31	
32	Unrelated business taxable income before specific deduction Subtract line 31 from line 30		32	0.
33	Specific deduction (Generally $1,000, but see line 33 instructions for exceptions)		33	1,000.
34	**Unrelated business taxable income** Subtract line 33 from line 32 If line 33 is greater than line 32, enter the smaller of zero or line 32		34	0.

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Part III Tax Computation

35	**Organizations Taxable as Corporations** See instructions for tax computation. Controlled group members (sections 1561 and 1563) check here ▶ ☐ See instructions and		
a	Enter your share of the $50,000, $25,000, and $9,925,000 taxable income brackets (in that order): (1) $ (2) $ (3) $		
b	Enter organization's share of: (1) Additional 5% tax (not more than $11,750) $ (2) Additional 3% tax (not more than $100,000) $		
c	Income tax on the amount on line 34 ▶	35c	0.
36	**Trusts Taxable at Trust Rates** See instructions for tax computation. Income tax on the amount on line 34 from ☐ Tax rate schedule or ☐ Schedule D (Form 1041) ▶	36	
37	**Proxy tax.** See instructions ▶	37	
38	Alternative minimum tax	38	
39	**Total.** Add lines 37 and 38 to line 35c or 36, whichever applies	39	0.

Part IV Tax and Payments

40a	Foreign tax credit (corporations attach Form 1118; trusts attach Form 1116)	40a			
b	Other credits (see instructions)	40b			
c	General business credit. Attach Form 3800	40c			
d	Credit for prior year minimum tax (attach Form 8801 or 8827)	40d			
e	**Total credits.** Add lines 40a through 40d			40e	
41	Subtract line 40e from line 39			41	0.
42	Other taxes. Check if from ☐ Form 4255 ☐ Form 8611 ☐ Form 8697 ☐ Form 8866 ☐ Other (attach schedule)			42	
43	**Total tax.** Add lines 41 and 42			43	0.
44a	Payments. A 2014 overpayment credited to 2015	44a	2,149.		
b	2015 estimated tax payments	44b			
c	Tax deposited with Form 8868	44c			
d	Foreign organizations. Tax paid or withheld at source (see instructions)	44d			
e	Backup withholding (see instructions)	44e			
f	Credit for small employer health insurance premiums (Attach Form 8941)	44f			
g	Other credits and payments ☐ Form 2439 ☐ Form 4136 ☐ Other Total ▶	44g			
45	**Total payments.** Add lines 44a through 44g			45	2,149.
46	Estimated tax penalty (see instructions). Check if Form 2220 is attached ▶ ☐			46	
47	**Tax due.** If line 45 is less than the total of lines 43 and 46, enter amount owed ▶			47	
48	**Overpayment.** If line 45 is larger than the total of lines 43 and 46, enter amount overpaid ▶			48	2,149.
49	Enter the amount of line 48 you want: **Credited to 2016 estimated tax** ▶ 2,149. **Refunded** ▶			49	0.

Part V Statements Regarding Certain Activities and Other Information (see instructions)

		Yes	No
1	At any time during the 2015 calendar year, did the organization have an interest in or a signature or other authority over a financial account (bank securities, or other) in a foreign country? If YES, the organization may have to file FinCEN Form 114, Report of Foreign Bank and Financial Accounts. If YES, enter the name of the foreign country here ▶		X
2	During the tax year, did the organization receive a distribution from, or was it the grantor of, or transferor to, a foreign trust? If YES, see instructions for other forms the organization may have to file		X
3	Enter the amount of tax-exempt interest received or accrued during the tax year ▶$		

Schedule A - Cost of Goods Sold. Enter method of inventory valuation ▶ N/A

1	Inventory at beginning of year	1		6	Inventory at end of year	6	
2	Purchases	2		7	**Cost of goods sold.** Subtract line 6 from line 5. Enter here and in Part I, line 2	7	
3	Cost of labor	3					
4a	Additional section 263A costs (attach schedule)	4a		8	Do the rules of section 263A (with respect to property produced or acquired for resale) apply to the organization?	Yes	No X
b	Other costs (attach schedule)	4b					
5	Total. Add lines 1 through 4b	5					

Sign Here

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than taxpayer) is based on all information of which preparer has any knowledge.

Signature of officer 12/20/16 Date ▶ Executive Director Title ▶

May the IRS discuss this return with the preparer shown below (see instructions)? X Yes ☐ No

Paid Preparer Use Only

Print/Type preparer's name: FREDERICK E DAVIS JR.	Preparer's signature	Date 12/15/16	Check ☐ if self-employed	PTIN P00446023
Firm's name ▶ MITCHELL & TITUS LLP			Firm's EIN ▶	13-2781641
Firm's address ▶ ONE BATTERY PARK PLAZA NEW YORK, NY 10004			Phone no.	(212) 709-4500

Schedule C - Rent Income (From Real Property and Personal Property Leased With Real Property) (see instructions)

1 Description of property

(1)
(2)
(3)
(4)

	2 Rent received or accrued		3(a) Deductions directly connected with the income in columns 2(a) and 2(b) (attach schedule)
	(a) From personal property (if the percentage of rent for personal property is more than 10% but not more than 50%)	(b) From real and personal property (if the percentage of rent for personal property exceeds 50% or if the rent is based on profit or income)	
(1)			
(2)			
(3)			
(4)			
Total	0.	0.	

(c) Total income Add totals of columns 2(a) and 2(b) Enter here and on page 1, Part I line 6, column (A) ▶ 0.

(b) Total deductions Enter here and on page 1 Part I line 6 column (B) ▶ 0.

Schedule E - Unrelated Debt-Financed Income (see instructions)

	1 Description of debt financed property	2 Gross income from or allocable to debt financed property	3 Deductions directly connected with or allocable to debt financed property (a) Straight line depreciation (attach schedule)	3 (b) Other deductions (attach schedule)
(1)				
(2)				
(3)				
(4)				

	4 Amount of average acquisition debt on or allocable to debt financed property (attach schedule)	5 Average adjusted basis of or allocable to debt financed property (attach schedule)	6 Column 4 divided by column 5	7 Gross income reportable (column 2 x column 6)	8 Allocable deductions (column 6 x total of columns 3(a) and 3(b))
(1)			%		
(2)			%		
(3)			%		
(4)			%		
				Enter here and on page 1 Part I line 7 column (A)	Enter here and on page 1 Part I line 7 column (B)
Totals			▶	0.	0.
Total dividends received deductions included in column 8				▶	0.

Schedule F - Interest, Annuities, Royalties, and Rents From Controlled Organizations (see instructions)

	1 Name of controlled organization	2 Employer identification number	Exempt Controlled Organizations 3 Net unrelated income (loss) (see instructions)	4 Total of specified payments made	5 Part of column 4 that is included in the controlling organization's gross income	6 Deductions directly connected with income in column 5
(1)						
(2)						
(3)						
(4)						

Nonexempt Controlled Organizations

	7 Taxable Income	8 Net unrelated income (loss) (see instructions)	9 Total of specified payments made	10 Part of column 9 that is included in the controlling organization's gross income	11 Deductions directly connected with income in column 10
(1)					
(2)					
(3)					
(4)					
				Add columns 5 and 10 Enter here and on page 1 Part I line 8 column (A)	Add columns 6 and 11 Enter here and on page 1 Part I line 8 column (B)
Totals			▶	0.	0.

Schedule G - Investment Income of a Section 501(c)(7), (9), or (17) Organization

(see instructions)

1 Description of income	2 Amount of income	3 Deductions directly connected (attach schedule)	4 Set asides (attach schedule)	5 Total deductions and set asides (col 3 plus col 4)
(1)				
(2)				
(3)				
(4)				
Totals ▶	Enter here and on page 1 Part I line 9 column (A) 0.			Enter here and on page 1 Part I line 9 column (B) 0.

Schedule I - Exploited Exempt Activity Income, Other Than Advertising Income

(see instructions)

1 Description of exploited activity	2 Gross unrelated business income from trade or business	3 Expenses directly connected with production of unrelated business income	4 Net income (loss) from unrelated trade or business (column 2 minus column 3) If a gain compute cols 5 through 7	5 Gross income from activity that is not unrelated business income	6 Expenses attributable to column 5	7 Excess exempt expenses (column 6 minus column 5 but not more than column 4)
(1)						
(2)						
(3)						
(4)						
Totals ▶	Enter here and on page 1 Part I line 10 col (A) 0.	Enter here and on page 1 Part I line 10 col (B) 0.				Enter here and on page 1 Part II line 26 0.

Schedule J - Advertising Income (see instructions)

Part I Income From Periodicals Reported on a Consolidated Basis

1 Name of periodical	2 Gross advertising income	3 Direct advertising costs	4 Advertising gain or (loss) (col 2 minus col 3) If a gain compute cols 5 through 7	5 Circulation income	6 Readership costs	7 Excess readership costs (column 6 minus column 5 but not more than column 4)
(1)						
(2)						
(3)						
(4)						
Totals (carry to Part II, line (5)) ▶	0.	0.				0.

Part II Income From Periodicals Reported on a Separate Basis (For each periodical listed in Part II fill in columns 2 through 7 on a line by line basis)

1 Name of periodical	2 Gross advertising income	3 Direct advertising costs	4 Advertising gain or (loss) (col 2 minus col 3) If a gain compute cols 5 through 7	5 Circulation income	6 Readership costs	7 Excess readership costs (column 6 minus column 5 but not more than column 4)
(1) POWDER						
(2) DIFFRACTION						
(3) JOURNAL	26,050.		26,050.	59,857.	113,694.	26,050.
(4)						
Totals from Part I ▶	0.	0.				0.
Totals, Part II (lines 1 5) ▶	Enter here and on page 1 Part I line 11 col (A) 26,050.	Enter here and on page 1 Part I line 11 col (B) 0.				Enter here and on page 1 Part II line 27 26,050.

Schedule K - Compensation of Officers, Directors, and Trustees (see instructions)

1 Name	2 Title	3 Percent of time devoted to business	4 Compensation attributable to unrelated business
(1)		%	
(2)		%	
(3)		%	
(4)		%	
Total Enter here and on page 1, Part II, line 14		▶	0.

FORM 990-T DESCRIPTION OF ORGANIZATION'S PRIMARY UNRELATED BUSINESS ACTIVITY STATEMENT 1

ADVERTISING REVENUE FROM THE PUBLICATION OF A JOURNAL RELATED TO THE ORGANIZATION'S EXEMPT FUNCTION.

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