



No: IIITDMK/25-26/SP/PAC-Microfluidics 3D Printer/

Dt. 05.05.2025

CALL FOR OBJECTION NOTICE

Subject: "Call for Objection" against Procurement under **Proprietary Article (PAC) Basis** in IIITDM Kancheepuram.

Item Name: Microfluidics 3D Printer

Attribute	Details
Build Area	Minimum 105 x 60 x 115 mm
Dynamic XY Resolution	Minimum 30 μ m
Native XY Resolution	Minimum 40 μ m
Z Resolution	Adjustable, ranging from 5 μ m to 100 μ m
LED Wavelength	380 nm - 395 nm
Smallest Open Channel Dimensions that can be Fabricated	minimum 60 μ m
Smallest Closed Channel Dimensions that can be fabricated	As low as 90 μ m
Connectivity	USB / Ethernet / Wi-Fi
Weight	Up to 100 kg
Software	Included
Training and Support	Free Training with Lifetime Support
Warranty	Minimum 3 years against manufacturing defects
Accessories Included	Essential accessories for operation, including Teflon VAT, build plate, and scrapers
Compatible Resins	Clear microfluidic resins capable of producing microfluidic devices with 90 μ m channels and PDMS Mastermold Resin for creating fine details as small as 60 μ m.

It is intended to procure Instruments, Accessories & Consumables for **Microfluidics 3D Printer** on a proprietary article basis as per the provision of GFR, 2017 Rule 166 (i), directly from **M/s. CADworks3D Microfluidics**, 30 Great Gulf Dr Unit 28, Concord, ON L4K 0K7, against their proposal submitted, as the sole manufacturer/supplier of Instruments, Accessories & Consumables for **Microfluidics 3D Printer**, which satisfies all requirements of being a proprietary item.

The notice is hereby issued for the general information of Aspirant Manufacturers / Authorized Distributors/Suppliers, to submit their objection, if any, on the proprietorship of the above item in terms of Rule 166 (i) of GFR, 2017 as amended from time to time.

Relevant documents are published on the institute website for inviting objections/claims/comments, if any, from eligible manufacturer /supplier, before accepting the claim of the earlier said manufacturer and accordingly making procurement under proprietary article.

The Objections/claims/comments along with the complete details of challenging the proprietorship of the above items, if any, should be sent to the office of The Registrar, IIITDM Kancheepuram, Melakottaiyur, Chennai - 600127 in a sealed envelope with above mentioned subject & reference number, or by e-mail at registrar@iiitdm.ac.in on or before **21.05.2025 up to 05.00 PM**, failing which, it will be presumed that the above item are the proprietary item of the concerned firm as claimed by them in the Proprietary Article Certificate (PAC). Accordingly, the institute will initiate the process of procurement of the above item under Rule 166 (i) of GFR, 2017 as amended from time.

After the due date, it will be assumed that no manufacturer/supplier has any objection/claim against above mentioned equipment article & same will be considered as the proprietary article.

Handwritten signature
Registrar
05/05/25

Enclosure: -

- Sole Manufacturing certificate by M/s CADworks3D Microfluidics





11-09-2024

Department of Mechanical Engineering
IIITDM - Kancheepuram
Chennai - 600127

Subject: Sole Source Justification - CADworks3D as the Exclusive Worldwide Provider of Profluidics 285D 3D Printer for Microfluidics, Mastermold Resin for PDMS and The Clear Microfluidics Resin.

To whom it may concern,

I am writing to formally establish and communicate that CADworks3D is the sole and exclusive worldwide provider of the Profluidics 285D 3D Printer for Microfluidics along with resins such as the Mastermold Resin for PDMS & Clear Microfluidics Resin. This declaration serves to emphasize that no other entity or distributor globally possesses the rights or capabilities to supply the Profluidics 285D 3D Printer and Resins such as Mastermold Resin for PDMS & Clear Microfluidics Resin for microfluidics applications.

CADworks3D, a Canadian 3D printer manufacturer and 3D material developer, creates cutting-edge DLP 3D printers designed especially for microfluidic applications; the ProFluidics 285D. The ProFluidics 285D opens up workflows that are streamlined and easy to implement. It is a multi-purpose machine whereby this one 3D printer is able to produce a variety of microfluidic devices such as: clear devices with encapsulated features, master molds for PDMS devices, and biocompatible devices or structures. Together with CADworks3D's line of 3D material, researchers have the avenue to reliably produce 100μm channels, and smaller depending on the device's design.

If you have any questions, require further information, or seek additional documentation to support our claim of exclusivity, please do not hesitate to contact us at Info@CADworks3D.com or +1-416-368-7266 ext 111. We sincerely appreciate your consideration and look forward to continued collaboration with IIITDM - Kancheepuram in advancing the field of microfluidics.

Sincerely,

Sign: Manmeet Buttar

11-09-2024

Marketing & Sales Manager
30 Great Gulf Dr Unit 28, Concord, ON L4K 0K7