TAKADA

3D Pintar IATECH-RP Series

Expandable 3D Printer series by Takada

Takada 3D printer adalah sebuah teknologi yang dirancang Secara detail yang berguna untuk mempercepat waktu proses Pencetakan 3D dan juga untuk memberikan hasil yang presisi. Mudah untuk dioperasikan, dan sekaligus mudah untuk mempelajari Ilmunya. Tidak masalah seberapa besar organisasi yang anda miliki, Takada 3D Printer memiliki bentuk yang dioptimalkan untuk memulai bisnis di berbagai macam kalangan, seperti industri dan Lembaga Pendidikan.

TAKADA

3D Pintar IATECH-RP Series

Expandable 3D Printer series by Takada

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

SPESIFIKASI
3D Pintar IATECH-RP Series

Series		Rapid Proto (Industrial)	
Features	Industrial High Precision	Rapid-UHF	High Temp-CF
Purpose		Advanced remote operation & control, Network (LAN + WiFi)	For ABS, CF Advance remote operation & control, Network (LAN + WiFi)
Target materials	High Flow Multi Material	Ultra High Flow, Multi Material	High Flow, Carbon
Print volume	210 x 210 x 200mm (h)	210 x 210 x 200mm (m)	210 x 210 x 200mm (h)
User interface	Color touch screen + Knob	Color touch screen + Knob	Color touch screen + Knob
Interface	USB, microSD & USB Drive	USB, microSD & USB Drive	USB, microSD & USB Drive
Networking		LAN, WiFi	LAN, WiFi
Camera monitoring		Yes	Yes
Enclosure	Semi-enclosed	Fully enclosed, removable window	Fully enclosed, removable window
Air filtration	Activated carbon + HEPA	Activated carbon + HEPA	Activated carbon + HEPA
Nozzle temp	up to 280 C	up to 280 C	up to 300 C
Printbed temp	up to 100 C	up to 100 C	up to 100 C
Print surface	Dual side PEI (smooth & textured)	Dual side PEI (smooth & textured)	Dual side PEI (mooth & textured)
Print speed (using 0.4mm nozzle)*	up to 130mm/s	up to 130mm/s	up to 130mm/s
Silent motor driver	All motors	All motors	All motor
Chamber light	Yes	Yes	Yes

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Hubungi Kami

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TAKADA

3D PINTAR EDU V 2.0

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

Spesifikasi

3D Pintar Edu V 2.0	
Technology	FFF
Print Head	Single
Max Build Volume XYZ	16 x 13,5 x 15 cm
Max Noozel Temp	225
Min Layer Resolution	0,1 - 0,3 mm
Max Printing Speed	90 mm/s
Max Traveling Speed	150 mm/s
Heat Bed Temperature	X
Auto Bed Leveling	Basic
Auto Tramming	No
Build Plate	Removable Magnetic
Connectivity	SD Card,USB Cable
Enclosed	No
Interface	Graphical LCD
File Type	STL,OBJ,DAE,AMF,3mf etc
Compatible Material	
Basic	PLA, PLA +
Engineering	
Composite/High Temp	
Silent Motor	No
Visual System	No
Camera	No
Power	72 Watt
Design and Produce in	Indonesia
Air Filteration	no
Assembly	Ready to Use
Warranty	1 year
Filament Drive	Bowden

HARGA

RP12.650.000

(belum termasuk PPn)

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TAKADA

3D PINTAR FABRICATOR EX

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

Spesifikasi

3D Pintar Fabricator EX	
Technology	FFF
Print Head	Single
Max Build Volume XYZ	22 x 22 x 25 cm
Max Noozel Temp	240
Min Layer Resolution	0,1 - 0,3 mm
Max Printing Speed	100 mm/s
Max Traveling Speed	200 mm/s
Heat Bed Temperature	65
Auto Bed Leveling	Yes
Auto Tramming	No
Build Plate	Removable Magnetic
Connectivity	micro SD Card, USB Drive & USB Cable
Enclosed	Partial Enclosed
Interface	Color Touchscreen LCD
File Type	STL,OBJ,DAE,AMF,3mf etc
Compatible Material	
Basic	PLA,PLA + PETG, TPU
Engineering	ABS
Composite/High Temp	
Silent Motor	No
Visual System	No
Camera	No
Power	360 Watt
Design and Produce in	Indonesia
Air Filteration	no
Assembly	Ready to Use
Warranty	1 year
Filament Drive	direct drive

HARGA

RP27.500.000

(belum termasuk PPn)

TAKADA

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TAKADA

3D PINTAR FABRICATOR PX

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

Spesifikasi

3D Pintar Fabricator PX	
Technology	FFF
Print Head	Single
Max Build Volume XYZ	23,5 x 23,5 x 30 cm
Max Noozel Temp	260
Min Layer Resolution	0,1 - 0,3 mm
Max Printing Speed	110 mm/s
Max Traveling Speed	250 mm/s
Heat Bed Temperature	100 °C
Auto Bed Leveling	Yes
Auto Tramming	
Build Plate	Removable Steel Plate
Connectivity	SD Card, USB Drive & USB Cable
Enclosed	Partial Enclosed
Interface	Color Touchscreen LCD
File Type	STL,OBJ,DAE,AMF,3mf etc
Compatible Material	
Basic	PLA,PLA + PETG, TPU
Engineering	ABS
Composite/High Temp	
Silent Motor	Yes
Visual System	Lighted Chamber
Camera	No
Power	360 Watt
Design and Produce in	Indonesia
Air Filteration	optional
Assembly	Ready to Use
Warranty	1 year
Filament Drive	direct drive

HARGA

RP39.380.000

(belum termasuk PPn)

TAKADA

Hubungi Kami

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TAKADA

3D PINTAR FABRICATOR XL

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

Spesifikasi

3D Pintar Fabricator XL	
Technology	FFF
Print Head	Single
Max Build Volume XYZ	23,5 x 23,5 x 35 cm
Max Noozel Temp	260
Min Layer Resolution	0,1 - 0,3 mm
Max Printing Speed	110 mm/s
Max Traveling Speed	250 mm/s
Heat Bed Temperature	100 °C
Auto Bed Leveling	Yes
Auto Tramming	No
Build Plate	Removable Steel Plate
Connectivity	SD Card, USB Drive & USB Cable
Enclosed	Partial Enclosed
Interface	Color Touchscreen LCD
File Type	STL,OBJ,DAE,AMF,3mf etc
Compatible Material	
Basic	PLA,PLA + PETG, TPU
Engineering	ABS
Composite/High Temp	
Silent Motor	Yes
Visual System	Lighted Chamber
Camera	No
Power	360 Watt
Design and Produce in	Indonesia
Air Filteration	optional
Assembly	Ready to Use
Warranty	1 year
Filament Drive	direct drive

HARGA

RP33.000.000

(belum termasuk PPn)

TAKADA

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TAKADA

3D PINTAR PRO

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

Spesifikasi

3D Pintar Pro	
Technology	FFF
Print Head	Single
Max Build Volume XYZ	30 x 30 x 25 cm
Max Noozel Temp	260
Min Layer Resolution	0,05 - 0,3 mm
Max Printing Speed	150 mm/s
Max Traveling Speed	300 mm/s
Heat Bed Temperature	110 °C
Auto Bed Leveling	Yes
Auto Tramming	Yes
Build Plate	Removable Steel PEI
Connectivity	Network/Wifi
Enclosed	Full Enclosed
Interface	Color Touchscreen LCD
File Type	STL,OBJ,DAE,AMF,3mf etc
Compatible Material	
Basic	PLA,PLA + PETG, TPU
Engineering	ABS
Composite/High Temp	
Silent Motor	Yes
Visual System	Lighted Chamber
Camera	Yes
Power	850 watt
Design and Produce in	Indonesia
Air Filteration	Yes
Assembly	Ready to Use
Warranty	1 year
Filament Drive	direct drive

HARGA

RP157.190.000

(belum termasuk PPn)

TAKADA

Hubungi Kami

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TAKADA

3D PINTAR PRO CF

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

Spesifikasi

3D Pintar Pro CF	
Technology	FFF
Print Head	Single
Max Build Volume XYZ	30 x 30 x 25 cm
Max Noozel Temp	300
Min Layer Resolution	0,05 - 0,3 mm
Max Printing Speed	150 mm/s
Max Traveling Speed	300 mm/s
Heat Bed Temperature	110 °C
Auto Bed Leveling	Yes
Auto Tramming	Yes
Build Plate	Removable Steel PEI
Connectivity	Network/Wifi
Enclosed	Full Enclosed
Interface	Color Touchscreen LCD
File Type	STL,OBJ,DAE,AMF,3mf etc
Compatible Material	
Basic	PLA,PLA + PETG, TPU
Engineering	ABS
Composite/High Temp	CF
Silent Motor	Yes
Visual System	Lighted Chamber
Camera	Yes
Power	850 watt
Design and Produce in	Indonesia
Air Filteration	Yes
Assembly	Ready to Use
Warranty	1 year
Filament Drive	direct drive

HARGA

RP188.650.000

(belum termasuk PPn)

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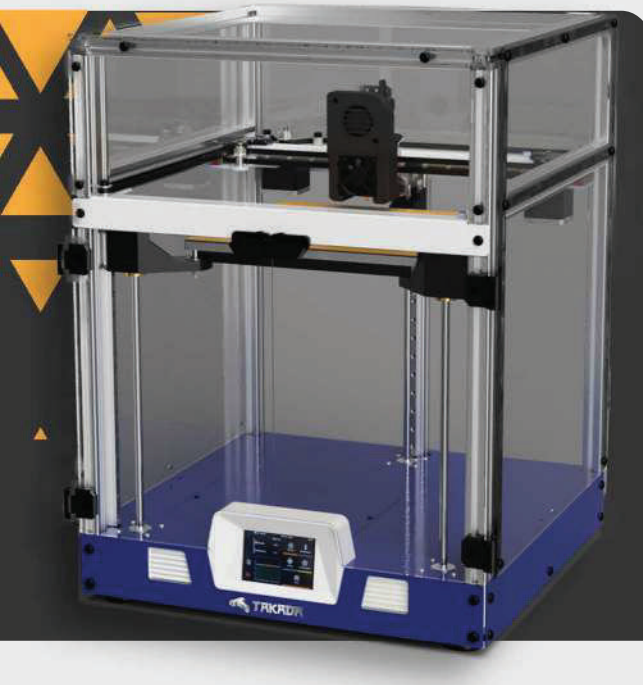

3D PINTAR MANUFAKTUR

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

Spesifikasi

3D Pintar Manufaktur	
Technology	FFF
Print Head	Single
Max Build Volume XYZ	30 x 30 x 35 cm
Max Noozel Temp	260
Min Layer Resolution	0,05 - 0,3 mm
Max Printing Speed	150 mm/s
Max Traveling Speed	300 mm/s
Heat Bed Temperature	110 °C
Auto Bed Leveling	Yes
Auto Tramming	Yes
Build Plate	Removable Steel PEI
Connectivity	Network/Wifi
Enclosed	Full Enclosed
Interface	Color Touchscreen LCD
File Type	STL,OBJ,DAE,AMF,3mf etc
Compatible Material	
Basic	PLA,PLA + PETG, TPU
Engineering	ABS
Composite/High Temp	
Silent Motor	Yes
Visual System	Lighted Chamber
Camera	Yes
Power	850 watt
Design and Produce in	Indonesia
Air Filteration	Yes
Assembly	Ready to Use
Warranty	1 year
Filament Drive	direct drive

HARGA

RP133.650.000

(belum termasuk PPn)

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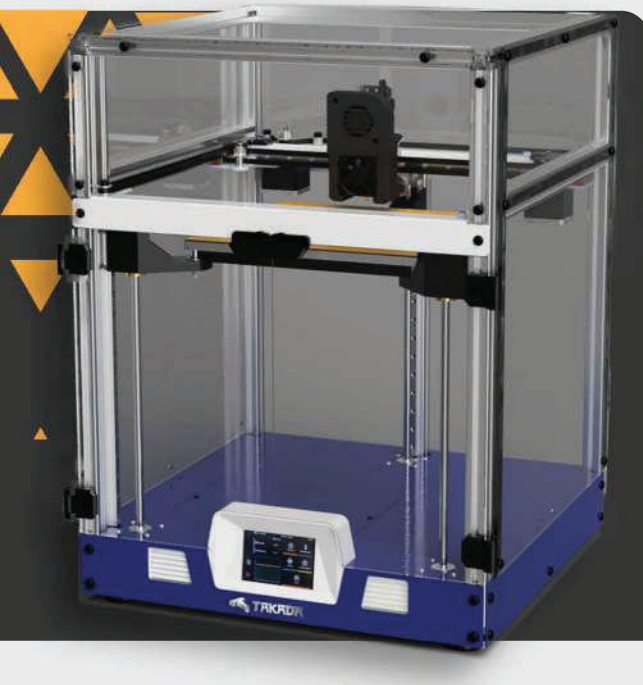

3D PINTAR MANUFAKTUR DX

- Dibuat dan Dirancang di Indonesia
- TKDN Tinggi
- Menerima pesanan khusus untuk industri hingga lembaga pendidikan

Spesifikasi

3D Pintar Manufaktur DX	
Technology	FFF
Print Head	Dual
Max Build Volume XYZ	24 x 30 x 35 cm
Max Noozel Temp	260
Min Layer Resolution	0,05 - 0,3 mm
Max Printing Speed	150 mm/s
Max Traveling Speed	250 mm/s
Heat Bed Temperature	110 °C
Auto Bed Leveling	Yes
Auto Tramming	Yes
Build Plate	Removable Steel PEI
Connectivity	Network/Wifi
Enclosed	Full Enclosed
Interface	Color Touchscreen LCD
File Type	STL,OBJ,DAE,AMF,3mf etc
Compatible Material	
Basic	PLA,PLA + PETG, TPU
Engineering	ABS
Composite/High Temp	
Silent Motor	Yes
Visual System	Lighted Chamber
Camera	Yes
Power	850 watt
Design and Produce in	Indonesia
Air Filteration	Yes
Assembly	Ready to Use
Warranty	1 year
Filament Drive	direct drive

HARGA

RP157.190.000

(belum termasuk PPn)

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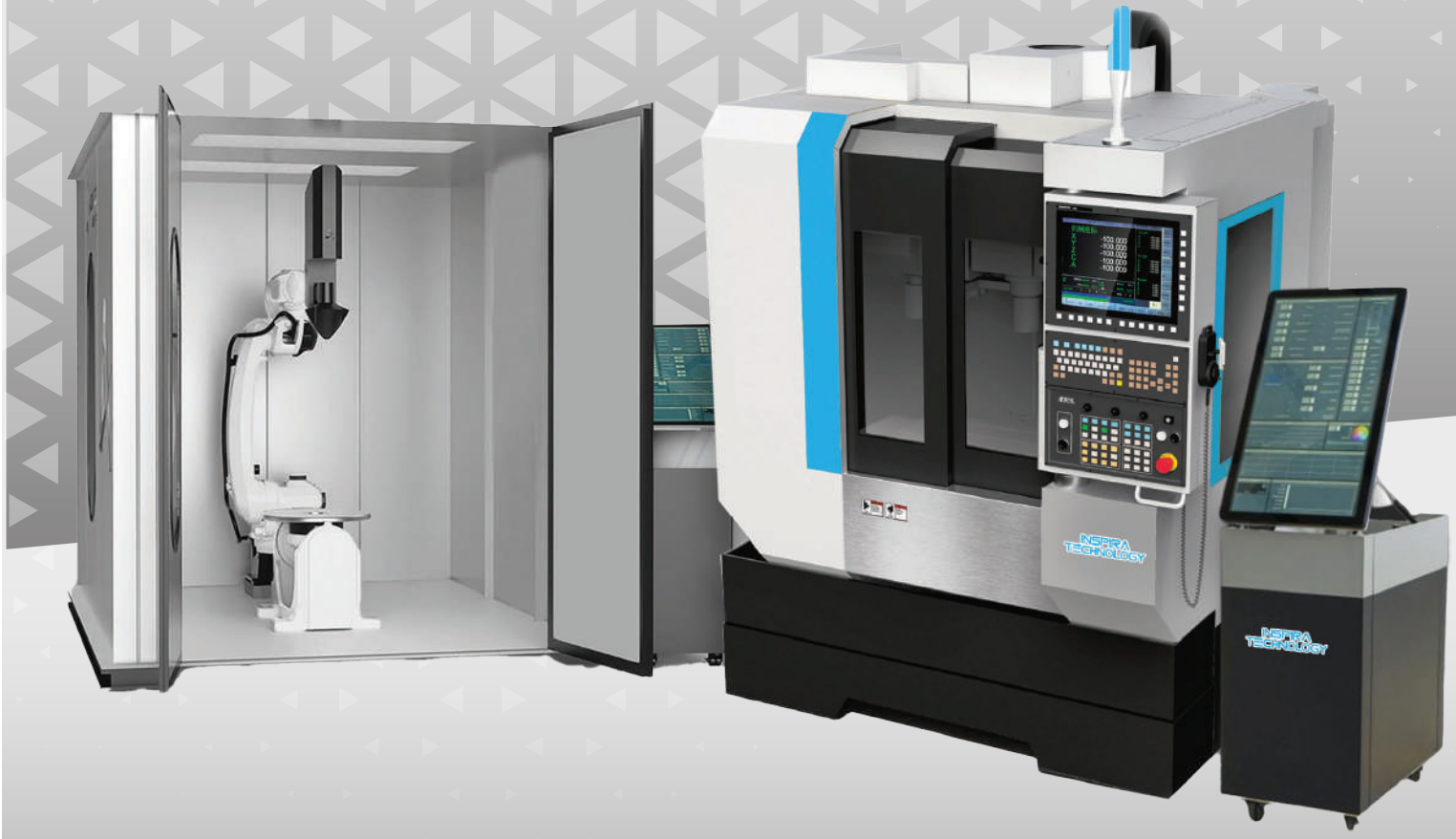
TAKADA

MCX SERIES & MXR SERIES



TAKADA

MXC SERIES

Multi - Metal 3D Printing

Specifications:

Machine Type	Additive Manufacturing (3D Metal Printing)
Technology	Open Atmoshpere Direct Energy Depositon (DED)
Voltage	Three phase 50/60 Hz
Cooling	Active water-cooled (chiller included)
Table	
Table Size	1100 mm x 600 mm
T-Slots(Number x Size x Distance)	5x18x90 mm
Max. Table Load	700 Kgs
Print Envelope	
X Travel	700 mm
Y Travel	500 mm
Z Travel	500 mm
Rapid Traverse	30,000 mm/min
Drive motors(X,Y,Z)	3.0 Kw
Laser	
Laser Type	6 x 200 W direct diode lasers
Laser Wavelength	976 nm
Total Laser Power	1200 W
Feed	
Cutting Feed	10,000 mm/min
Rapid Traverse	36,000 mm/min
Material	
Open Source	Yes
Type	Stainless steels, mild steels, titanium alloys,inconel,tool steel.
Wire Feedstock Diameter	0,8-1,2 mm
Spool Type	BS300
Machine Size and Weigth	
Floor Size (Length*Width*Height)	2700 x 2300 x 2800 mm
N.W.	6900 Kgs
G.W.	7000 Kgs

Features

Material Scrap
High resolution near net and part repair reduce material usage up to 90%.

Tool Wear
Producing a high resolution near net-shape eliminates roughing operations and thereby drastically reduces tool wear.

Working Capital
Replace inventory of cutting tools and stock of material billets by commodity welding wire.

Complex Geometries
No inherent constraints when machining and 3D printing can take place simultaneously.

Repair Applications
Cost-effective component repair by milling, 3D printing and finishing worn parts.

Feature Addition
Part augmentation made possible in a one step process to save time and feedstock in the CNC process.

Low Heat Input
Less Deformation and the ability to weld to a larger range of base metals.

Health and Safety
Wire feedstock is inherently safe to handle. The distributed laser system further reduces integration requirements due to low energy intensity outside of the melt-pool.

No Contamination
No risk of damaging precision machinery or contaminating the shop floor with fine metal powders.

Lower Cost
Processing wire significantly reduces part costcompared to conventional powder solutions.

TAKADA

MXR SERIES

Multi - Metal 3D Printing

The Inspira MXR Series is the first forward-deployable portable additive manufacturing robot cell rated for reactive materials in Indonesia. The Inspira MXR Series production-ready capabilities allow for parts to be printed on-demand from anywhere power is available. The system includes a potent 6kW fiber laser configured deposition head and closed loop process controls, affording high deposition rates of up to 4 kg/hr for titanium. The system can print large parts up to 1.8 meters in dimension and can achieve intricate geometries with its multi-axis robotic architecture.

Inspira Technology has partnered with major industrial robot brands, allowing for seamless integration for large scale robotic 3D printing. In addition to titanium, the system can also print in a wide range of materials including titanium, aluminum, copper, carbonn steel mild, steel, stainless steel and inconel.

Technical Data

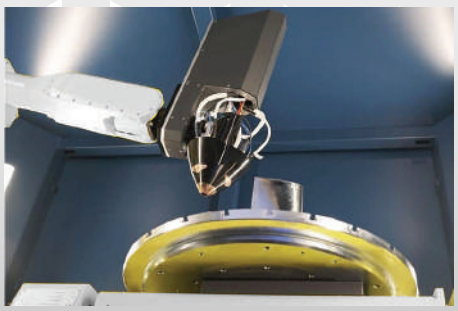
Deposition Technology

Maximum laser power	6 kW
Laser type	Fiber laser
Laser wavelength	1032 nm
Layer thickness	0.8-1.2 mm
Maximum Deposition rate	4 kg/hr
Build volume	5.9' x 5.9' x 5.9'
Wire feed stock	0.8 1.2 mm O
Processable materials	Iron, nickel, titanium, copper, and aluminum alloys
Shielding	Argon or Nitrogen
Cooling	Active water cooling
Deposition software	Meltio
Process control	Melt pool temperature (Pyrometer) based closed loop laser power modulation along with wire feeder control

Motion Technology

Motion axes	6+2
Robot partners	ABB, FANUC and YASKAWA
Robotic motion software	Meltio, compatible with other software programs
Portable Cell	7.5' x 9' x 10.6'
Cell volume	Vacuum pump assisted inert gas environment
Atmosphere control	<10000 ppm in the chamber and lower levels around the melt pool through local inert gas shielding
Achievable 02 level	
Fume management system	HEPA Filter
Total weight	10,000 lbs approx.

Robotic Metal 3D Printer



APPLICATIONS

Engine Manifold
SS316L- Motorsport

System: MXR
Size: 205 x 360 x 473 mm
Weight: 5.2 kg
Print Time: 19h 23'

Engine Manifold
SS316L- Oil & Gas

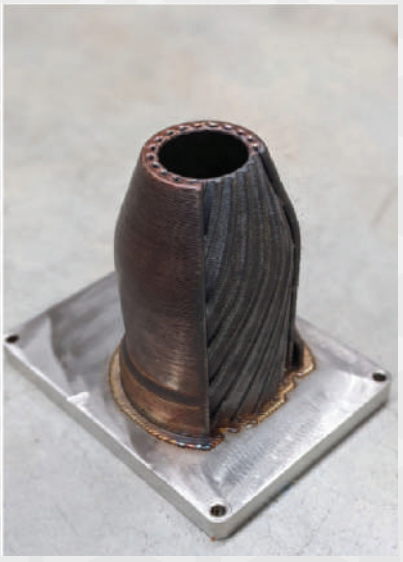
System: MXR
Size: 500 mm Ø Sphere
Weight: 29,6 kg
Print Time: 81 h 20'

Naval Propeller
SS316L - Marine

System: MXR
Size: 600mm Ø-250 mm
Weight: 12.1 kg
Print Time: 43 h 40'

Watch Bezels
Titanium - Jewelry

System: MXC
Size: 53.37 x 44.59 x 10.85 mm
Weight: (x6) 155.93 g
Print Time: (x6) 5 h 40



Spherical Tank
SS316L - Aerospace

System: MXC
Size: 110.5 x 110.5 x 170 mm
Weight: 4.88 kg
Print Time: 27 h 30'

Glass Mold Core
SS316L-Manufacturing

System: MXC
Size: 158.5 x 79.31 x 144.3 mm
Weight: 6 kg
Print Time: 24 h

TAKADA

PRICE

MXC 800

16.5 M

MRX 1000

12.65 M

RC-20F

Coming Soon