

MAGNUM



THE FUTURE OF
LARGE SCALE

3D

PRINTING

DISCOVER
THE MAGNUM
MEGA PRINTER

industry
MAGNUM

Quotation **MAGNUM**

Date:	2022-11-11
Our ref.:	Jonas Carlsson
Company:	Artex AB
Your ref.:	Mats Rydsund
E-mail:	mats.rydsund@artex.se
Quote nr:	221111-01
Valid until:	2022-11-14

We thank You for your request, please contact us if You have any questions.

3D-Printer	MAGNUM	
Extruder	E25	
Table build size	1200 x 1500	mm
Build height	1200	mm

In the printer, you can print with materials such as recycled materials, biomaterials etc. You can also use materials with additives such as wood fiber, recycled EPDM etc.

Delivered with nozzle size Ø2mm, Ø4mm, Ø6mm and Ø8mm.

The machine will by default be delivered with the proper safety equipment and CE-certification.

All delivered machines from The Industry Sweden AB are qualified according to EU: s machine directives and thereby according to laws and regulations.

All machine components are from the highest standard and manufactured by well-known

subcontractors such as; Bosch Rexroth, Siemens and Wittenstein.

With best regards,

The Industry Sweden AB

Jonas Carlsson

CEO

Jonas.Carlsson@the-industry.se

+46 70 - 780 99 30

Technical Specifications

All measurements are estimates.

Heated table maximum temperature (Celsius)	165	C
Extruder maximum temperature (Celsius)	450	C
Supply voltage N,PE, 50Hz ± 5%	3x400	V
Rated power	25	kW
Fuse	32	A
Height for removal of printed object (this can be changed)	100	mm
Machine footprint (estimate, this can change)	2900x2200	mm
Machine height (estimate, this can change)	2350	mm
Electrical cabinet measurements L x W x H	1200x500x1400	mm
Workspace L x W x H	1500x1200x1200	mm
Base weight machine	2500	kg

Specification Printer

- Fully electrical machine.
- CE-Certified.
- Mechanics and pneumatics are designed ISO, DIN standard.
- 15" touchscreen panel.
- User manual on USB.
- Complete extruder with servo motor, specially designed screw (25mm) and barrel.
- Nozzles included; 1pcs Ø2mm, 1pcs Ø4mm, 1pcs Ø6mm and 1pcs Ø8mm.
- Air-cooling for nozzle.
- Tools for nozzle change.

- Heated vacuum table, one (1 pcs) 2mm aluminum sheet is included.
- Camera system with one camera. Can view from PC or mobile.
- Text/mail module. (Must be tied to SIM-card with valid subscription in designated country)
- Integrated material feeding system.
- One (1 pcs) stand-alone water cooler with associated hose and connections.

Safety of machine

The machine is engineered according to valid legal requirements regarding safety, environment and ergonomics.



Machine directive (MD) 2006/42/EG

Harmonized standards:

EN 292-1	Safety of machinery - Basic concepts, general principles for design. Basic terminology, methodology.
EN 292-2	Safety of machinery - Basic concepts, general principles for design. Technical principles and specification.
EN 294	Safety of machinery. Safety distances to prevent danger zones being reached by the upper limbs.
EN 50 081-2	European Generic emission standard Part 2: Industrial environment
EN 50 082-2	European immunity standard Part 2: Industrial environment

Low voltage directive

LVD 2009/95/EG

Directive for electromagnetic compatibility

EMC 2004/108/EG

Emergency stop is also included in the widescreen panel.

If the machine is applied in a production cell which contains other machines, it will be certified according to Machine directive

(MD) 2006/42/EG

Noise level max 75 dbA

Time of delivery:

Second week of January 2023. Time for shipping is not included in the delivery time.

Conditions of delivery:

EXW. Ex. works The industry Sweden AB, excl. packaging (Incoterms 2020). Malmö or Värnamo, will be notified at the latest 3 weeks before delivery time.

Payment:

50 % at placed order. 10 days net.

50 % before delivery and after confirmation for the printer at The Industry Sweden AB. 10 days net.

Warranty:

12 months after installation, a maximum of 15 months after delivery.

Conditions of warranty for the products apply at normal use, with agreed-upon materials in use.

Software:

We use open-source software Simplify 3D with our own profiles, customer needs to buy this directly from Simplify and we will share our profiles with the customer.

Education:

In conjunction with the take-over of the machine, 2 days of free-of-charge operator training is included, exclusive of travel and travel-related costs, at The Industry Sweden AB facility in Malmö, Sweden.

Training must have taken place before the customer takes their MAGNUM into use.

Process:

After delivery and education, The Industry Sweden AB no longer takes responsibility for issues regarding technical processes related to the customers' separate products and their materials.

Installation of the printer:

The printer is delivered tested and completed for commissioning.

Installation required by the customer is:

- Connection electricity and hose of the material dryer.
- Connection electricity and hose of the water cooler.
- Connection of Wi-fi.
- Connection of pneumatics.
- Connection of power/electricity to the printer. (To be performed by a qualified electrician).

Commissioning takes place with The Industry Sweden AB on a link via Microsoft Teams etc.

**General conditions of delivery:**

The manufacturer reserves the right to changes, without notice, be it from data and information from folders, technical descriptions, etc.

We do not bear any responsibility for delays in delivery, engineering- or price adjustments that are caused by external implications.

The goods will remain the property of the supplier until the transaction of the machine is completed in full. Beyond that, General conditions Orgalime S2012 applies.

Due to the constant technical development, we reserve the right to changes.

Documentation of contract contents

All agreements which are included in the contract, must be documented in writing and referenced in the order, and thereafter confirmed in the order confirmation. Agreements which are not; documented in writing, referenced, and confirmed, are not valid.

Changes in contract

If modifications, additions and deviations are made from the contract, an evaluation will be made regarding how this will affect the previously established commercial contract.

Implemented after your signing of the order confirmation from The Industry Sweden AB.

Prices:

Product:	Qty:	Price:
<i>MAGNUM printer</i>	<i>1 pcs</i>	€ 159.900

Product:	Qty:	Price:
50L Stand-alone Material Dryer TDM 503	<i>1 pcs</i>	€ 6.490
100L Stand-alone Material Dryer TDM 507	<i>1 pcs</i>	€ 7.690
150L Stand-alone Material Dryer TDM 507	<i>1 pcs</i>	€ 7.790
200L Stand-alone Material Dryer TDM 507	<i>1 pcs</i>	€ 7.890
Hopper Loader S series S55	<i>1 pcs</i>	€ 1.290

Prices consumables:

Product:	Qty:	Price:
<i>Print sheet 2x1500x1200mm Aluminium</i>	<i>5 pcs</i>	€ 1.2490
<i>Nozzle 2mm</i>	<i>1 pcs</i>	€ 319
<i>Nozzle 4mm</i>	<i>1 pcs</i>	€ 319
<i>Nozzle 6mm</i>	<i>1 pcs</i>	€ 319
<i>Nozzle 8mm</i>	<i>1 pcs</i>	€ 319

(All prices are without shipping and VAT.)

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MAGNUM

LARGE SCALE 3D PRINTING MADE EASY

By combining recycled thermoplastics, large volume, and the 3D-printing technique, MAGNUM enables you to turn waste into value. The manufacturing method of the future is here.