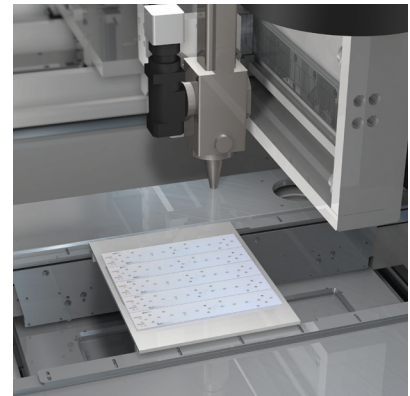
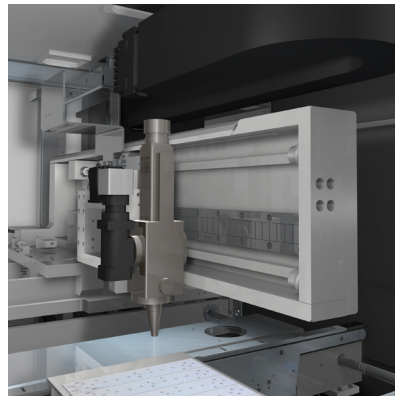
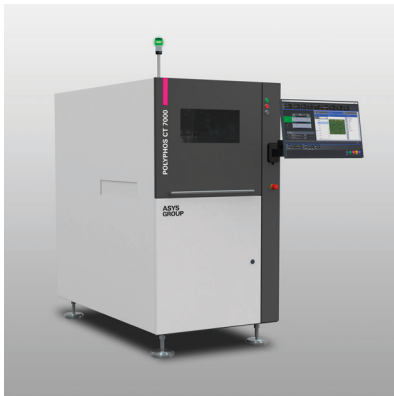


## POLYPHOS CT 7000



### Description

ASY provides a broad product line of depaneling solutions that range from semi-automatic to high-end inline systems. The ergonomically designed POLYPHOS CT 7000 Laser Cutting System is equipped with the latest laser technology. During development, special emphasis was placed on safety, easy operation and a reduced footprint.

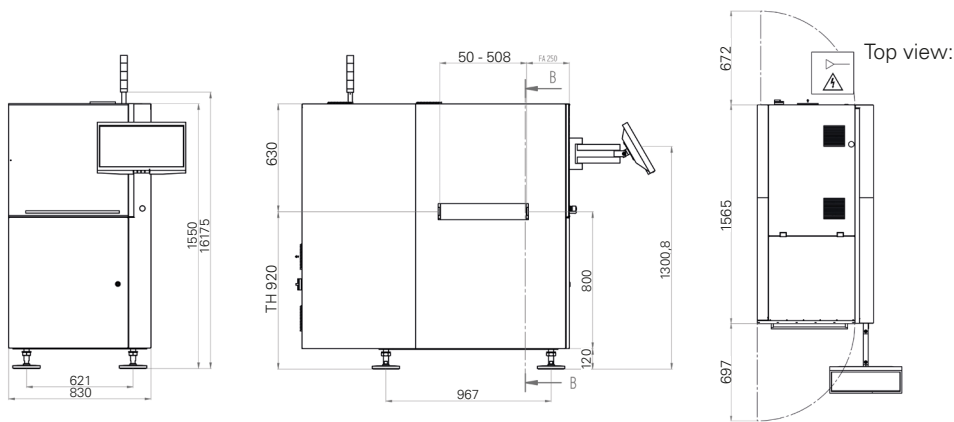
The **POLYPHOS CT Series** is a machine platform for laser cutting of metal core PCBs, respectively IMS (Insulated Metal Substrate) for e.g. LED luminaires or ceramic substrates like power semiconductors on DCB substrates. The system consists of a CNC-controlled machine with a precision cutting head to position the laser beam. Assist gas supports the cutting process. Depending on the application different gases can be used. A camera is used for machine calibration and offset correction using fiducials.

### Features

- \_ High positioning accuracy
- \_ DIN language controlled (CNC) cutting recipes
- \_ Integrated camera vision system
- \_ State of the art beam sources and optics for improved cutting result
- \_ fullfills all requirements for technical cleanliness according VDA 19 (ISO 16232)

### Options

- \_ 150/1500 W QCW Fiber Laser
- \_ 300/3000 W QCW Fiber Laser
- \_ Laser power measurement
- \_ Laser power calibration
- \_ ASYCAM software for easy import of CAD (DXF) data
- \_ Exhaust and filter system
- \_ MES connection
- \_ Inline transport on workpiece carriers
- \_ Workpiece carrier return system



## POLYPHOS CT 7000

### Machine configuration

Transport height	920 mm ± 50 mm
Interface	SMEMA
Operating side	Front of the machine
Fixed rail	Front of the machine
Working Area	490 x 460 mm

### Panel dimensions

Panel length	20 to 508 mm
Panel width	20 to 460 mm
Panel thickness	Recommended: 0.1 to 1.6 mm (2.0 mm)
Panel weight	4 kg
Clearance height	± 40 mm / 0 mm for manual loading (other options on request)

### Installation requirements

Power supply	1/N/PE AC 230V 50Hz 1/N/PE AC 115V 60 Hz
Power consumption	150/1500 W-Laser Ø 1,7 kW 300/3000 W-Laser Ø 1,9 kW
Pneumatics	6 bar
Process gas	16 bar
Ambient Temperature	22°C ± 1°C
Humidity	50% ± 20% (non cond.)

### Machine description

Length x Width x Height	830 x 1565 x 1550 mm
Clearance at back side	700 mm
Laser type	QCW Fiber Laser (more upon request)
Laser-class	1
Positioning accuracy	± 100 µm @ 5σ
Repeatability accuracy	± 50 µm @ 5σ
Cutting accuracy	± 150 µm with Vision System @ 5σ
Fiducial camera	25 x 18mm FoV
Weight	approx. 700 kg
Color	Basic Light, RAL 7015, RAL 4010
Noise Level	< 75dB(A)

**ASYS  
GROUP**

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