

# P1 ENGRAVING UNIT - Engraving unit



5145546

<https://www.phoenixcontact.com/us/products/5145546>

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Engraving unit, weight: 7.6 kg, length: 0.35 m, width: 250 mm



## Your advantages

- In addition, a comprehensive range of preassembled engraving materials is also available
- Engraving chisels are available as accessories with diameters ranging from 0.2 mm ... 1.0 mm for creating different line thicknesses
- The P1 ENGRAVING UNIT is the ideal marking solution for device and component marking applications subjected to high levels of mechanical and chemical stress
- These materials remain in position and do not slip when used with the CMS-P1-M/GPE ENGRAVING plotter magazine
- The CMS-P1-PLOTTER can be converted into an engraving unit quickly and easily by swapping the plotter head for the engraving device

## Commercial data

Item number	5145546
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG01
Product key	BG1241
Catalog page	Page 346 (C-3-2019)
GTIN	4046356154642
Weight per piece (including packing)	10,500 g
Weight per piece (excluding packing)	10,500 g
Customs tariff number	84595900
Country of origin	DE

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## Technical data

### Product properties

Product type	Printing system
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### Marking

Identification technology	Engraving
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### Electrical properties

Power consumption	150 W
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### Supply

Supply voltage range	110 V AC ... 240 V AC (50 Hz ... 60 Hz)
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### Dimensions

Width	250 mm
Length	350 mm

### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	10 °C ... 35 °C
Ambient temperature (storage/transport)	-10 °C ... 50 °C
Permissible humidity (operation)	35 % ... 75 %
Permissible humidity (storage/transport)	10 % ... 90 %

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## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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## Accessories

### P1 GRAVER 0.2 - Engraving tool

5145478

<https://www.phoenixcontact.com/us/products/5145478>



Engraving tool, with a point angle of 15°, point diameter: 0.2 mm

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### P1 GRAVER 0.3 - Engraving tool

5145481

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Engraving tool, with a point angle of 15°, point diameter: 0.3 mm

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## P1 GRAVER 0.4 - Engraving tool

5145494

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Engraving tool, with a point angle of 15°, point diameter: 0.4 mm

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## P1 GRAVER 0.5 - Engraving tool

5145504

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Engraving tool, with a point angle of 15°, point diameter: 0.5 mm

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## P1 GRAVER 0.7 - Engraving tool

5145517

<https://www.phoenixcontact.com/us/products/5145517>



Engraving tool, with a point angle of 15°, point diameter: 0.7 mm

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## P1 GRAVER 1.0 - Engraving tool

5145520

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Engraving tool, with a point angle of 15°, point diameter: 1.0 mm

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## P1 GRAVER SET - Engraving chisel set

5145533

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Engraving stylus set, graver with a point angle of 15°, point diameter: 0.2 mm, 0.3 mm, 0.4 mm, 0.5 mm, 0.7 mm, 1.0 mm

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## P1 ENGRAVING VC BAG - Accessories

5145559

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Accessories for plotters with engraving unit



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## CMS-P1-M/GPE ENGRAVING - Magazine

5145711

<https://www.phoenixcontact.com/us/products/5145711>



Magazine for CMS-P1-PLOTTER, to accommodate GPE materials, especially for the purpose of engraving

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## P1 ENGRAVING CONTROLLER - Accessories

5145698

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Control unit for ENGRAVING UNIT and P1 ENGRAVING UNIT engraving systems



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### P1 ENGRAVING CORD - Accessories

5145627

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Replacement power cable for the control unit



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### P1 ENGRAVING COVER - Accessories

5145685

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Accessories for plotters with engraving unit



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### P1 ENGRAVING HEAD - Accessories

5145575

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Accessories for plotters with engraving unit

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### P1 ENGRAVING PA - Accessories

5145656

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Accessories for plotters with engraving unit

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## P1 ENGRAVING SPINDLE - Accessories

5145562

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Accessories for plotters with engraving unit



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## P1 ENGRAVING TUBE - Accessories

5145601

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Replacement suction tube and clamping piece for the suction unit



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## P1 ENGRAVING VC - Accessories

5145708

<https://www.phoenixcontact.com/us/products/5145708>



Suction unit for ENGRAVING UNIT and P1 ENGRAVING UNIT engraving systems

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## P1 ENGRAVING VC PLUG - Accessories

5145630

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Replacement adapter as connection between suction tube and engraving spindle

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## P1 ENGRAVING CB - Accessories

5145588

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Replacement counter bearing for horizontal alignment of the engraving head for the ENGRAVING UNIT

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## P1 ENGRAVING CC1 - Accessories

5145591

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Replacement connection cable between extraction unit and control unit

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## P1 ENGRAVING CC2 - Accessories

5145614

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Replacement connection cable between control unit and marking plotter



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## P1 ENGRAVING CC3 - Accessories

5145672

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Replacement connection cable set, consisting of: 1x connection cable between suction unit and control unit, 1x connection cable between control unit and engraving spindle



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## P1 ENGRAVING CH - Accessories

5145643

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Replacement set, consisting of: 1x stand tube, 1x clamping piece, 1x mounting bracket for fixing the suction tube and the connection cable



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