

Supplement to laser engraving device Rev.1.0

Technical data	
Type	Diode laser
Performance	Ca. 5,0 Watt
Wavelength	455nm
Service life	ca.10000-20000 hours
Line strength	ca. 0,050mm (focused)

The ca.-descriptions result from the influence of the ambient temperature on the laser.

Suitable materials und rough guiding figures for the settings in KinetiC-NC: S (spindle speed)=performance (15.000 U/min = 100%)

*Material	Vorschub	Leistung
slate	3,6m / min.	50%
Laserply (such as materials by Eckert)	4,0m / min.	50%
laser foil (such as materials by Eckert)	4,0m / min.	100%
wood depending on type	3,6m / min.	40%
foamed rubber	1,6m / min.	80%
glas with pretreatment	1,2m / min	100%
anodized aluminium with pretreatment	1,2m / min.	100%
brass with pretreatment	5,0m / min.	100%
Stainless steel with pretreatment	7,5m / min	100%

* The values described are based on our own experience