



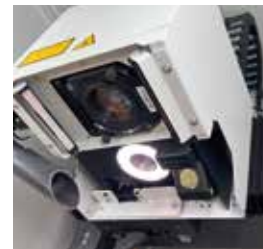
# PIRANHA®

## Precision all-rounder in a compact format

More than 1,000 marketed systems make a clear statement: PIRANHA® is a best-seller in an ever increasing number of industries. Prime beam quality in a turnkey solution for a broad range of applications makes PIRANHA® the market leader in the compact class for high-precision laser marking and laser engraving. Its potential use is accordingly wide-ranging, from automated nameplate marking to cold processing of parts with ultrashort pulse lasers (USPL). PIRANHA® laser systems combine a wide range of options making them an all-rounder. Simply pick the ones you require to optimally meet your laser processing needs with PIRANHA®.

## TECHNICAL DATA

Model:	PIRANHA® II UKP	PIRANHA® III UKP	PIRANHA® μ UKP
Laser Class:	1	1	1
Machine Base:	Welded steel frame	Welded steel frame	Granite base
Machine Weight:	1,250 kg	1,600 kg	3,500 kg
max. Workpiece Weight:	30 kg	50 kg	104 kg
Laser Sources:	UKP (ProPico/Femto/ ProFemto)	UKP (ProPico/Femto/ ProFemto)	UKP (ProPico/Femto/ ProFemto)
Dimensions (W x H x D):	970 x 1,990 x 1,980 mm	1,370 x 1,990 x 1,980 mm	1,250 x 2,010 x 2,330 mm
Axis Base:	Ground Cast Steel Body	Ground Cast Steel Body	High-Precision Granite Body
Axis Drives:	Precision Spindle Drive with external measuring system	Precision Spindle Drive with external measuring system	Precision Spindle Drive with external measuring system
Accuracy Class:	Precision Package (+/-10μm per 300 mm for X- and Y axes)	Precision Package (+/-10μm per 300 mm for X- and Y axes)	μ-Package (+/-10μm for all axes as well as table)
Working Range (X x Y x Z):	400 x 400 x 390 mm	600 x 400 x 390 mm	400 x 400 x 390 mm



### PIRANHA® UKP

Built on a high-tensile steel structure, the PIRANHA® UKP provides the necessary stability to enable high-precision laser processing. The compact design, low weight and numerous customization options make the PIRANHA® UKP an economical solution for laser processing in small and medium volumes where quality and precision are key.



### PIRANHA® μUKP

Designed with temperature-stable and low-vibration granite, the PIRANHA® μUKP is the first choice for superior precision machining. This model excels in processes with long engraving times and high repeatability. It features linear direct drives for the X and Y axes as well as software- and vision-controlled machining aids, which are available as an option.

### Experience Ultra Short Pulse Lasers in action

Make an appointment at our technical center for lasers in Kornwestheim or Mittweida:

<https://laser.acsys.de/technical-center/>