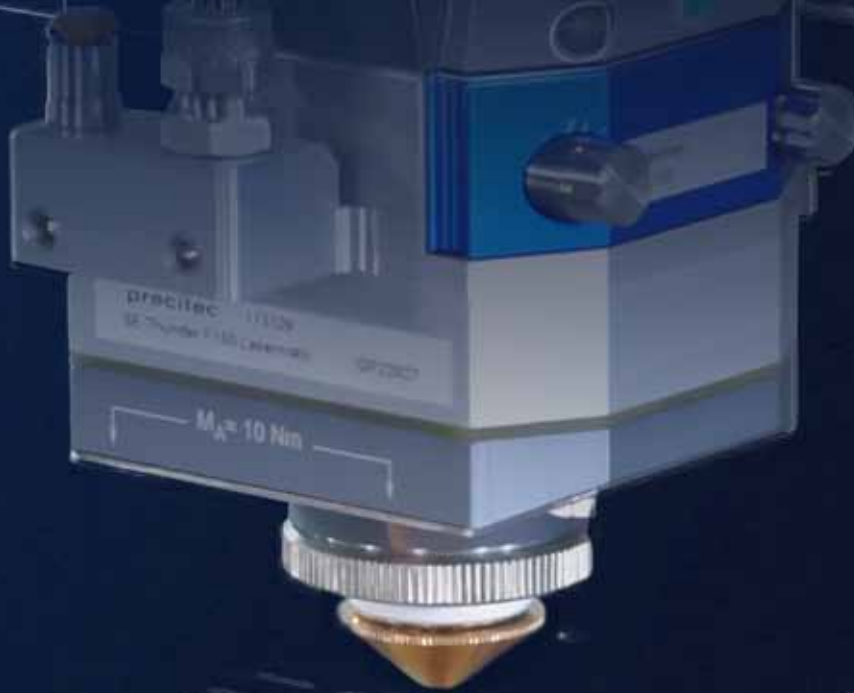


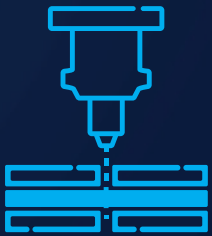
PRECITEC



CUTTING TECHNOLOGY AT A **GLANCE**

CUTTING WITH PRECISION
AND PERFECTION

PRECISE LASER CUTTING – EFFICIENT AND FUTUREPROOF



Highest precision & quality

The finest cuts, even with complex geometries and a wide range of material thicknesses.



Robust & durable

Designed for continuous use - high reliability even under demanding conditions.

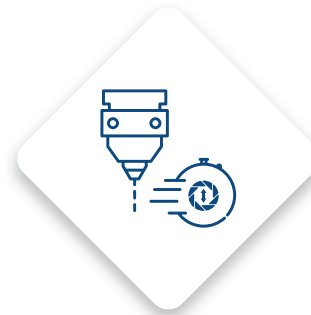


Simple integration & Industry 4.0

Easy integration into existing machine concepts and CNC controllers and seamless Industry 4.0 integration.

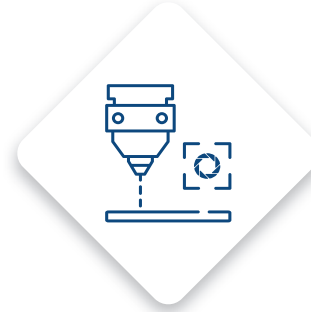
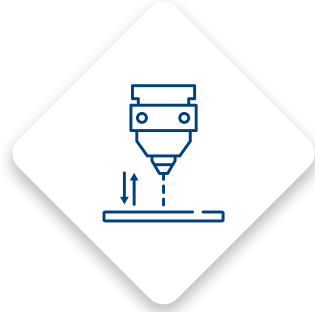


PIERCETEC
PIERCING ENSURES CONSISTENT QUALITY



BEAMTEC
AUTOMATIC FOCUSSHIFT COMPENSATION

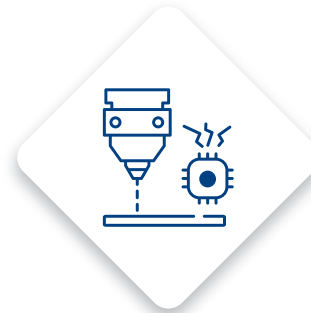
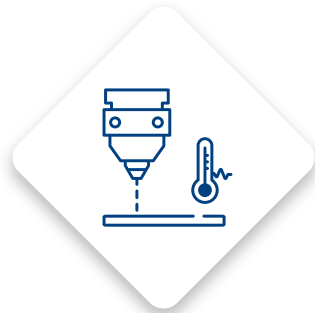
LASERMATIC
DRIFT FREE PRECISE DISTANCE CONTROL



FAST AUTOFOCUS
WITH PATENTED DRIVE TECHNOLOGY

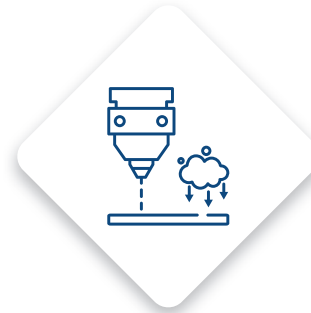
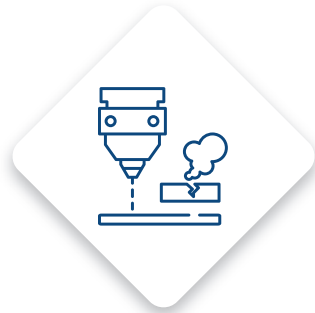
PRECITEC TECHNOLOGIES

TEMPERATURE SENSOR
ONLINE MONITORING OF HEAD CONDITION



STRAY LIGHT SENSOR
VERY FAST DETECTION OF CONTAMINATION

PRESSURE SENSOR
LEAKAGE DETECTION



IMPROVED GAS FLOW
IDEAL FOR THICK METAL SHEET WITH FASTER CUTTING SPEEDS

PRODUCT OVERVIEW

2D CUTTING

 <p>MiniCutter Lightweight 4 kW</p>	 <p>ProCutter Thunder Efficient & unique service concept 6 12 kW</p>	 <p>ProCutter 2.0 Self diagnostic - highly automated 8 20 30 50 85 kW</p>	 <p>ProCutter Zoom 2.0 Universal Zoom optics 12 kW</p>	 <p>ProCutter Prime High Bandwidth - Maximum Flexibility 30 kW</p>
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FINECUTTING

2,5D | 3D CUTTING

 <p>FineCutter Finest contours with integrated camera 0,5 kW</p>	 <p>MiniCutter 3D applications 4 kW</p>	 <p>ProCutter Thunder Tube and bevel cutting 6 12 kW</p>	 <p>SolidCutter Integrated closed loop distance control 4 kW</p>	 <p>FormCutter Agile robotic cutting 4 kW</p>
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SMART, PROCESS STABLE DISTANCE CONTROL CUTBOX PRO



PRECISE

Drift free & temperature proof distance control

CONNECTED

OPCUA | Interface for EtherCAT | Profinet

FAST

Plug & play commissioning | Graphical real time interface for swift information flow

BEAMTEC

Constant surface quality & increased productivity



TECHNICAL DETAILS

	MiniCutter	ProCutter Thunder 6	ProCutter Thunder 12	ProCutter 2.0 8	ProCutter 2.0 20	ProCutter 2.0 30	ProCutter 2.0 40	ProCutter 2.0 85	ProCutter Zoom 2.0	ProCutter Prime	FineCutter	SolidCutter
Laser strength max. [kW]	4	6	12	8	20	30	40	85	12	30	0,5	4
2D	•	•	•	•	•	•	•	•	•	•	•	
3D	•	•	•								•	•
Fiber	QBH, D	QBH, QD, G5	QBH, QD, Q+, LOE	QBH, D, G5	QBH, D, LOE, FCH-16	D, LOE, FCH-16	D, LOE-T, FCH-16	D, QP, LOE-S, FCH-16	D, QBH	QD, FCH-16, LOE3.1		QBH, D
Magnification	0,5 0,6 0,75 1,0	0,375 0,5 1,5 1,75 2,0	2	1,25 1,5 1,75 2,0	1,5 2,0 2,5 3,0	1,5 2,0 2,5 3,0	2,0 2,5 3,0	3	1,2 - 4,0	1,2 - 4,0 in 0,1 steps	0,4 0,625 1,0 or free beam	0,375 0,6 0,75 1,0 1,25 2,0
NAmx	0,13	0,12	0,12	0,13	0,13	0,13	0,18	0,16	0,16	0,13	0,16	0,12 - 0,16
Lens stroke max.	-4 +4	-22 +17,5	-22 +17,5	-20 +15	-38 +38	-66 +33	-66 +33	-91 +45	-30 +15	-45 +35	-2,5 +5	-6 +4
Weight [kg]	1,4	5,6	5,6	6,2	6,3	6,3	7,7	8,5	10	15,5	1,1 - 3,9	5,0
Additional Features												
Lasermatic I Height sensing	•	•	•	•	•	•	•	•	•	•	•	•
Autofocus		•	•	•	•	•	•	•	•	•		•
ZOOM Function									•	•		
Monitored protective window		•	•	•	•	•	•	•	•	•		
Full sensorics for optics				•	•	•	•	•	•	•		
Pressure sensor				•	•	•	•	•	•	•		
PierceTec				•	•	•		•				
BeamTec			•	•	•	•	•	•	•	•		

GLOBAL SERVICE



Comprehensive technical support

We offer technical support from our qualified experts to help with questions and problems and to ensure that our cutting head always works optimally.

Spare parts supply

Our reliable supply of high-quality spare parts keeps downtime to a minimum and extends the service life of our cutting heads.

Training and workshops

We offer training and workshops for operators and maintenance personnel to ensure they are fully familiar with the operation and maintenance of our equipment.

Individual consulting services

Our experts are available for individual consultation to develop specific solutions and optimizations for production processes.

With this comprehensive after-sales service, we ensure that our customers get the best performance and maximum benefit from their investment.



Visit our webshop:

<https://shop.precitec.com>

WHY PRECITEC STANDS OUT

MADE IN GERMANY. WORLDWIDE SERVICE. DECADES OF EXPERIENCE.

Precision, flexibility and stability – these are our hallmarks and we are recognized for them. The installation base of thousands of systems speaks for itself.

More than 50 years of experience as an innovative market leader in laser welding and cutting point to the highest quality of our products.

Our worldwide presence ensures that you always have a reliable partner at your side. And as a family-owned company, we place particular value on close customer relationships based on trust, reliability and the high level of expertise of our teams.

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