

HD-TC COMPACT Profile Cutting Laser

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SHAPE YOUR SUCCESS !



You can use Durma HD-TC Compact Profile Cutting Laser for processing pipes or profiles produced in different materials and shapes in many sectors such as construction equipment, defense industry, automotive sector, agricultural machinery, furniture and industrial shelf sector.

The HD-TC Compact Profile Cutting Laser Machine with durable and long-lasting components offers a wide range of applications in pipes and profiles with a wide variety of material types and wall thicknesses.

Precise and fast profile and pipe cuts are guaranteed with easy manual loading, hydraulic drive chuck, pneumatic center chuck, support arms.

Thanks to our Durma Pipe Cutting Laser Machine which the latest technologies are applied that will ensure you to increase profitability by creating new applications or improving your existing jobs and even you may entering new industrial sectors.

Durma HD-TC Compact Profile Cutting Laser ;

- Save time, reduce the number of components
- Cut profiles with more precision and faster and easier assembly
- Complete your part in one "COMPACT" machine with one program, one process step

• Driver Chuck

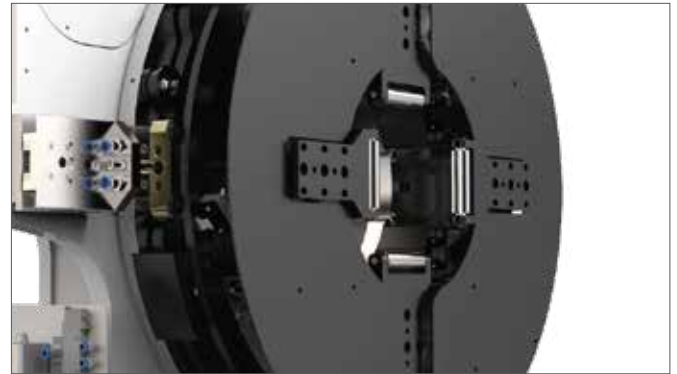
It can hold variety of profiles by 4 clamps working independently as 2+2. Adjust pressure automatically according to profile material thickness. Fast and reliable clamping process with measuring position of jaws.



• Centering Chuck

To get cutting precision, centers the profile as close as possible to cutting head. Turns synchronized with driver chuck.

2+2 rollers clamp tube automatically after tube comes. Adjust pressure automatically according to profile material thickness.



• Profile Support system

4 pieces support arms adjustable with servo motor prevent deflection of profiles.

The centering mechanism which is mounted to first support ensures that the profile to be driven is in the centering chuck axis. As driver chuck moves forward the profile at X1 axis, supports arms close down one by one to open the front of driver chuck. Support arms also ensure that manual loading can be done safely and easily.



Technical Data		
Capacity		
Max. Pipe Diameter	Ø170	mm
Max. Square Profile Dimension	120 x 120	mm
Max. Rectangular Profile Dimension	150 x 100	mm
Min. Pipe Diameter	20 (12 Manual)*	mm
Max. Material Length	6500	mm
Min. Length of Remaining Material	145	mm
Unloading Length	4000 / 6000	mm
Max. Material Weight	37.5	kg/m
Max. Total Workpiece Weight	210	kg
Profile Types Can Be Cut	Round, square, rectangular, elliptic	kg
Height of Chuck Center	1150	mm
Dynamics		
X Axis	60	m/min.
Y Axis	60	m/min.
Z Axis	30	m/min.
A Axis	840	°/s
Accuracy ***		
Positioning Accuracy	±0.02	mm
Positioning Variation	±0.05	mm
Tube Center Search with Capacitive Sensor	Yes	
Control Unit		
CNC	SINUMERIK; 840D SL; NCU 720.3PN	
PC: PCU50.3	19" Touch panel	

*** The maximum possible precision on the workpiece depends factors on the type of workpiece, its pretreatment.

Measurement length is 1 m.