NEWSLETTER

DURMA

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Revolution on Tube Cut!

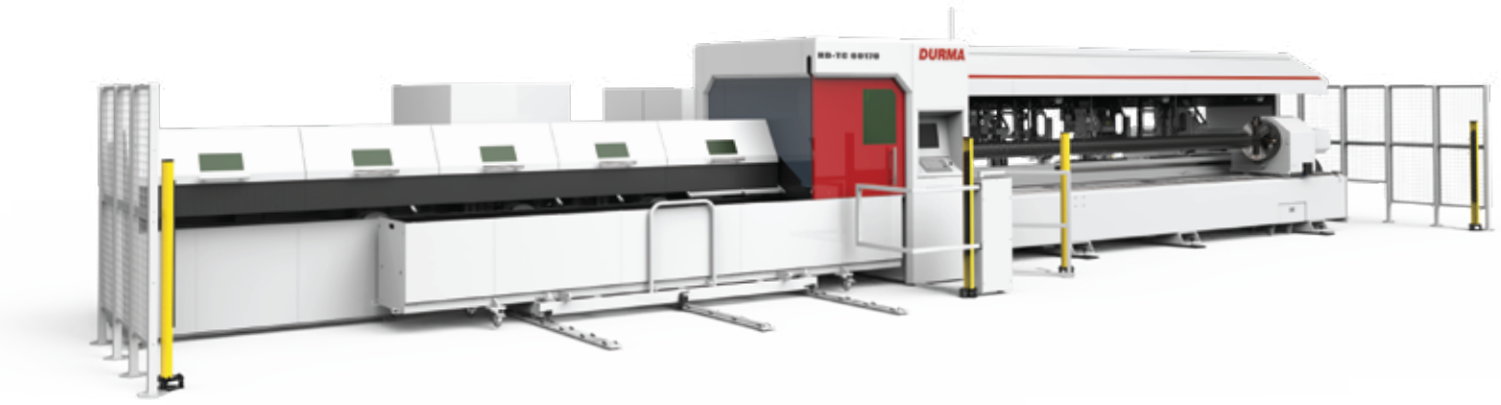
Revolution on Tube Cut!

NEW

HD-TC PROFILE-PIPE CUTTING LASER IS MORE STABLE VIA CENTERING SYSTEM WITH LASER SENSORS

DURMA SHORTENED THE PROCESS TİME BY İMPROVİNG THE CENTERİNG WİTH THE

- With the newly added laser sensor centering option added to the HDTC machines, it is possible to control the size and irregular structure of the profile during cutting or before cutting with the help of sensors to ensure that the internal contours to be cut are at the right point.



In existing HD-TC machines, the centering measurement is achieved by scanning the profile 4 surface through capacitive sensors, the advantage of the laser sensor system is that it gives more precise results in a shorter time. The user can take measurements at the distance determined by the user, and precise results are obtained in a shorter period of time as the process of measuring by the sensor is shortened for parts requiring precise measurement with internal contours

Advantages

- Fast set-up time
- Less problems during cutting
- Best solution in a short time
- Measurement frequency depending on operator request

TECHNICAL DATA	Ø170 mm
Max. Square Profille Dimension	120 x 120 mm
Max. Rectangular Profile Dimension	150 x 100 mm
Min. Pipe Diameter	20 mm (12 optional)
Max. Material Length	6.500 mm
Min. Material Length for Auto Loading	3.000 mm
Unloading Length	4000 mm (6000 optional)
Last Cut Tube Length	185 mm
Max. Material Weight	37.5 kg/m
Max. Total Workpiece Weight	210 kg
Max. Bundle Weight	3.000 kg
Profiles can be cut	Round, square, rectangular, eliptic
Machine Weight	20.000 kg

DYNAMİCS

X axis	90 m/min.
Y axis	50 m/min.
Z axis	45 m/min.
A axis	1200 °/s.

ACCURACY*

Positioning Accuracy	±0.2 mm
	±00.015 °
Positioning Variation	±0.05 mm
	±0.05 °

* The maximum possible precision on the workpiece depends factors on the type of workpiece, its pretreatment. Measurerement length is 1 m.

MAX. CUTTING THICKNESS

Power	1 kW	2 kW	3 kW	4 kW
Mild Steel	4	8	10	12
Stainless Steel	2	4	6	8
Aluminum	3	6	8	12
Cupper	1	2	3	4
Brass	2	4	6	8

LAZER CUTTING HEAD

Model	Precitec Procutter
Focus Lenght	150 mm
Focusing	Automatic

CONTROL UNIT

CNC	SIEMENS SINUMERIK 840D SL
Screen	15" Touch panel

FILTER

Type	1500 m³/h

CHILLER

Model	IPG-LC 71 (double circuits)