

T-DRILL

PRODUCTIVITY AS A PRODUCT.

T-DRILL

OCC-115

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ORBITAL CUTTING & CHAMFERING MACHINE

Automated tube cutting
machine with a wide
range of configurable
options



OCC-115 ORBITAL CUTTING & CHAMFERING MACHINE

T-DRILL OCC-115 is an automated tube cutting machine designed for the orbital cutting and chamfering of tubes up to O.D. Ø 114.3 mm with wall thicknesses of up to 6 mm, delivering exceptional quality and precision.

The tube remains stationary while rotating tools perform the cut. Combined with T-DRILL's tube gripping method and the even distribution of cutting forces, this preserves tube geometry, minimizes I.D. reduction, and eliminates the risk of damage caused by rotating bent tubes.

The OCC-115 combines cutting with the creation of four chamfers in a single work cycle: internal and external chamfers on both pipe ends. This produces weld-ready tube ends directly from the machine, reducing handling and eliminating secondary chamfering operations.

Using a lathe-style cutting process, the OCC-115 produces a single continuous chip instead of fine cutting debris, simplifying chip handling and helping maintain a clean production environment.



Key Benefits

- Wide capacity range
- Weld-ready cut surface
- Tube is stationary during cutting – consistent cut quality and tube geometry, no risk of damage caused by spinning bent or irregular material
- Chamfering of both inner and outer edges at both pipe ends in a single work cycle
- Production rates up to 300 pcs/h
- Automated tube feeding cutting and chamfering
- Modern, easy-to-use user interface

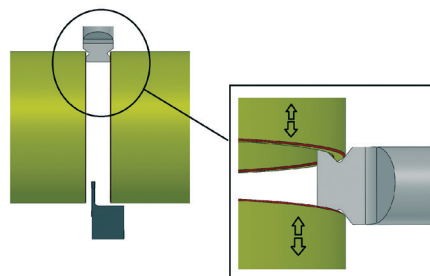
Typical Applications

Data Centers | HVACR | Process Piping | Shipbuilding | Water Treatment



Technical details

OCC-115 ORBITAL CUTTING & CHAMFERING MACHINE	
Cutting range	O.D. Ø 6-114.3 mm (cutting) O.D. Ø 10-114.3 mm (cutting & chamfering)
Wall thickness	1-6 mm (minimum depends on tube diameter)
Material	Aluminium, Copper, CuNi, Steel, Stainless Steel
Repeating accuracy	+/- 0,1 mm
Min. cut length	20 mm
Trim cut	20 mm
Offcut	40 mm + cut off piece length
Waste piece min.	151 mm
Typical production rates	100 - 300 pcs/h depending on cut length, material and required cut quality
Tooling:	
Parting off inserts	Standard (Width 1,5 mm)
Deburring/ chamfering	Special insert according to customers' needs
Tube clamping	According to tube diameter
Gripper jaws (feed/ outfeed)	V-style / according to tube diameter
Coolant	Water-miscible coolants



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MANUFACTURER:

T-DRILL OY

Ampujantie 32
66400 Laihia, FINLAND
Tel. +358 6 475 3333
sales@t-drill.fi
www.t-drill.com

T-DRILL Industries Inc.

1740 Corporate Drive
Norcross, GA 30093, USA
Tel. 1-800-554-2730
sales@t-drill.com
www.t-drill.com