

COLLARING MACHINES

For butt weld and brazed lap joint tees



T-115

Transportable collaring machine for both factory and on-site use. Can be equipped with a measuring table for controlled and precise axial- and radial positioning of collar holes.

- Max. collar size: 114,3 mm (4")
- Max. run tube size: 323,9 mm (12")



TEC-220

Powerful collaring machine for mechanically formed T-outlets up to SCH 40 pipes. Safe and steady to operate, with many accessories and options for effective pipe positioning & tool handling.

- Max. collar size: 219,1 mm (8")
- Max. run tube size: 813 mm (32")



S-80

Fast and highly effective machine with automatic tool changer. For both stainless steel and copper manifolds.

- Collar sizes: 12 – 101,6 mm (1/8" – 3 1/2")
- Max. run tube size: 114,3 mm (4")



SEC-115

Extremely fast and highly effective machine with an automatic tool changer. For both Stainless Steel and Copper Manifold production.

- Max. collar size: 114,3 mm (4")
- Max. run tube size: 273 mm (10")



TBC-115

Tube branching center for fast T-fitting manufacturing. The machine has a turntable with three machining units, which allow the three steps of the process to be done simultaneously.

- Collar sizes: 17 – 114,3 mm (3/8" – 4")
- Run tube sizes: 21,3 – 114,3 mm (1/2" – 4")



S-56

Highly effective and versatile collaring machine for producing T-outlets for brazed and welded joints, on both straight and bent tubes. Utilizing the latest technology, the machine is easily customized to fit specific customer needs. Depending on material/application:

- Collar sizes: 10 – 60,3 mm (1/2" – 2 1/4")
- Run tube sizes: 8 – 114,3 mm (3/8" – 4 1/2")



S-28

Designed especially for bent tubes with tight curves. Equipped with the newest technology, robust construction, and clamping.

- Collar sizes: 12 – 30 mm (1/2" – 1 1/8")
- Run tube sizes: 8 – 30 mm (5/16" – 1 1/8")



S-56 PC

Punching and collaring unit that combines two methods in a single unit, ensuring unparalleled efficiency and precision.

- Collar sizes: 12 – 58 mm (3/8" – 4")
- Run tube sizes: 16–108 mm
- Punch range: 5–22,5 mm (1/4" – 7/8")



S-56 Feed Tables AFT & MFT

Improves the manifold/collector production efficiency. Adding the automatic feed table (AFT) to S-56 the manifold with multiple collars can be processed automatically. Manual Feed Table (MFT) enables fast pipe positioning for the operator.



S-56 MultiFlex

Automatic multi-unit collaring machine. Possible to get up to three different lap joint/ two butt weld collar sizes without needing to change the tool during the process.



F-420e

Fully electric flanging machine for hot and cold forming. By far the most advanced flanging machine on the market – implemented with entirely programmable servo technology.

- Max. tube diameter: 420 mm (16 1/2")
- Wall thickness with cold forming: up to 5 mm
- Wall thickness with hot forming: 9 mm



F-200 & F-400

For cold and hot forming. Suitable for both straight and bent tubes. Also, expansion can be done for the slip fit and grooves to hold the gasket tighter with carbon steel applications.

- Max. tube diameter: 419 mm (16")
- Wall thickness: up to 10 mm | Schedule 40

CHIPLESS CUTTING



TCC-50 MCS

Transportable automatic chipless cutting machine with an optional cut-to-length setting adjustment. Quiet operation and no material waste between cuts.

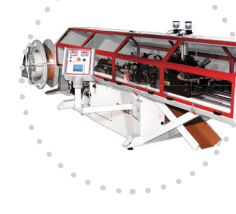
- Max. tube diameter: 50,8 mm (2")



TCC Coil/RL

Fully automatic tube cutting machines with multiple options for chipless cutting. Cutting material can be straight lengths or different types of coils. After cutting processes e.g., deburring or end-finishing available.

- Max. tube diameter: 50,8 mm (2")



TCC-EF-Series

Automatic chipless rotary cutting and grooving machine, combined with in-line end forming unit. All these three operations are made simultaneously.

- End forming with up to 8 hits
- Tube diameters: 6 – 25 mm (1/4" – 1")

FLANGING



SPINNING & END FORMING



SPM-115

Fully automatic servo controlled tube end spinning machine for flat closing of copper and brass tubes. Fast cycle time and machine set up. Completely electric and energy efficient process with high repeatability.

- Max. tube diameter: 115 mm (4 1/8")
- Max. wall thickness: 3,4 mm (Type K copper)



SP-110

Automatic tube end spinning machines for closing, reducing, and expanding of copper and brass tubes. No need to braze additional end cups.

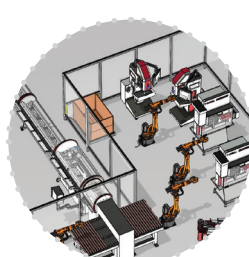
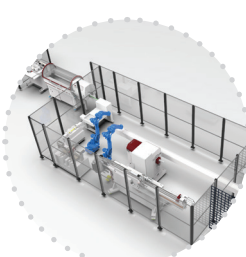
- Max. tube diameter: 108 mm (4 1/8")
- Max. wall thickness: 3 mm (Type K copper)



End Former EFO-3e

Servo-operated pipe end forming machine EFO-3e. Fully electric with brushless servo motors.

CUSTOMIZED SOLUTIONS



Customized Machines

Special machines can utilize already T-DRILL-proven technologies such as collaring, chipless cutting, flanging, or tube end forming. This will also give all the benefits of T-DRILL methods with customized machines.

Integrated Systems

The modular design of T-DRILL machines and equipment allows us to meet industry-specific requirements and offer optimized tube and pipe manufacturing solutions.

PORTABLE SOLUTIONS



T-54c

Cordless portable collaring machine for copper is an ideal portable solution for making tee joints. Also available as a corded model: **T-54**.

- Collar sizes: 8 – 54 mm (1/2" – 2")
- Max. run tube size: 108 mm (4")



T-54c SST

Powerful cordless collaring machine for stainless steel pipes for construction & renovation projects and demanding field conditions in maintenance, repair work and the process industry. Also available as a corded model: **T-54 SST**.

- Collar sizes: 17 – 54 mm (3/4" – 2")
- Max. run tube size: 114,3 mm (4") (Up to 219,1 mm / 8" with optional clamping system)



HFT-2000 SST & Cu

Hand Feed Table, a manually operated unit for use in conjunction with the T-54 SST or Cu collaring machines in small-volume production of stainless steel and copper manifolds.

Easy and exact pin-to-hole positioning. Produce five 54 mm collars in less than ten minutes without moving the tube.

- Collar sizes SST: 17 – 54 mm (3/4" – 2"), Cu: 8 – 54 mm (1/2" – 2")
- Max. run tube size: 114,3 mm (4")



PLUS 115 SST

A capacity-expanding attachment for the Collaring Machine T-54. An ideal solution to be used both on the job site and in the fabrication shop.

- Collar sizes: 48,3 – 114,3 mm (2" – 4")
- Max. run tube size: 219,1 mm (8")



Power Notcher PND-54

A device with pneumatic power source for cutting and dimpling the branched tube ends before insertion into the T-branch collar.

WELDING



T-InWeld

Internal welding with high-quality seams for industries where the inner surface quality and flow characteristics are crucial.

- Wall thickness: 0.6 – 3 mm
- Tube inner diameter: Ø10 – 114,3 mm

PRODUCTIVITY AS A PRODUCT.

COMPARISON:

Welded Fittings vs T-DRILL Collaring & Flanging

TRADITIONAL

Orbital Weld Fittings

- 4 Flange fittings
- 2 T-fittings
- 5 Pieces of Pipe
- 10 Weld Joints

7 hours 20 mins Labor



T-DRILL

Collaring & Flanging + Orbital Welding

- 3 Pieces of Pipe
- 2 Weld Joints

1 hour 5 mins Labor



10 Weld Joints

T-DRILL
PRODUCTIVITY AS A PRODUCT.



No Fittings
Only 2 Joints



Scan to watch!



or visit www.t-drill.com/comparison

www.t-drill.com

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PRODUCTIVITY AS A PRODUCT.

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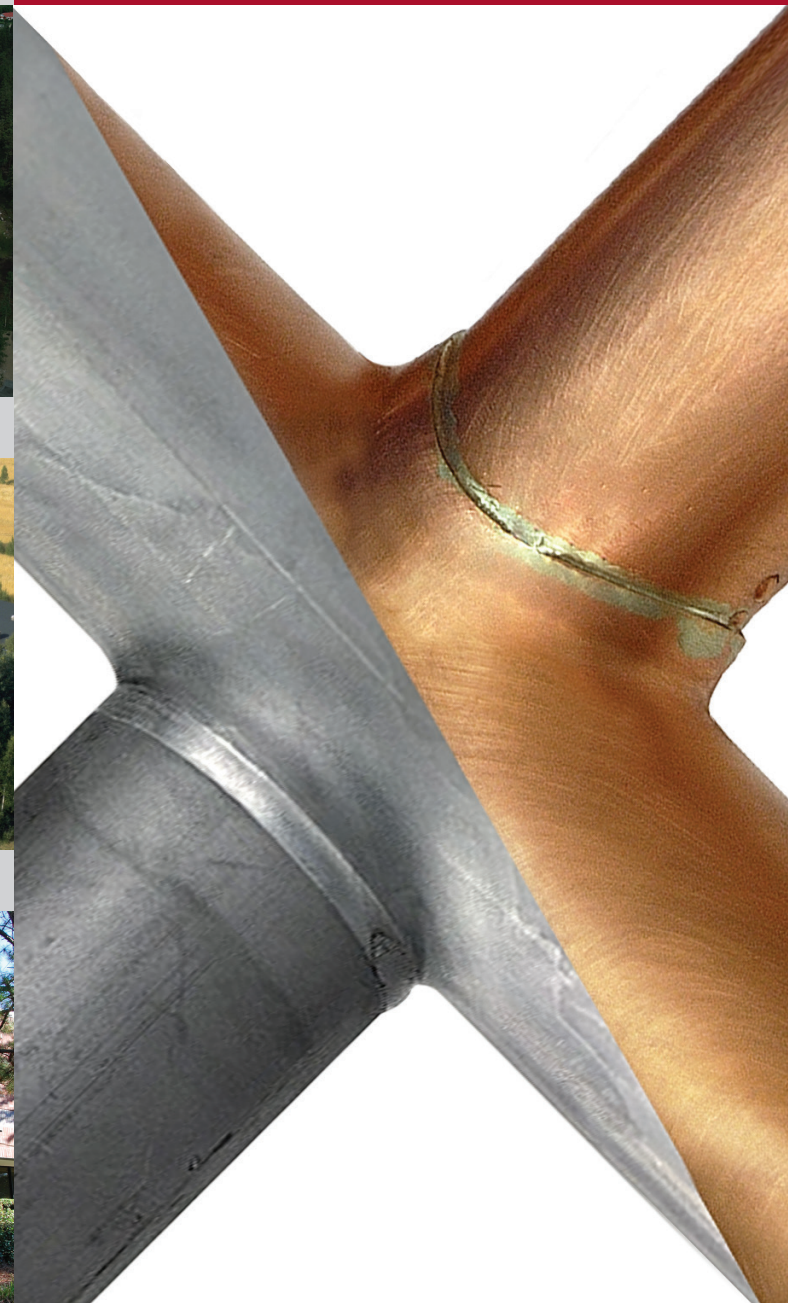
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PRODUCTIVITY AS A PRODUCT.

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À la Carte

Industry 4.0 ready



T-DRILL is the world-class supplier of tube and pipe fabrication solutions. **T-DRILL** machinery consists of both industrial solutions for several customer segments as well as portable solutions for mechanical contractors and plumbers.

One of **T-DRILL**'s cornerstones is the ability to foresee customers' needs and supply the right machine tools for their purposes. Supplying the right tools means that the special features of the tools meet the customers' special needs – a hand-operated machine tool for smaller purposes or an entire production line as a complete solution for industry.

T-DRILL works closely with its customers to ensure these needs are met in full. The world-class **T-DRILL** technologies, high-quality products, after-sales, customer support and our own product development together with the decades of knowledge and experience are all matters that give competitive advantage to the customer.

The customers are involved in the process and together we build up the best solutions. The customer can rely on us – there's always support available and the customer's productivity is a common interest for us.

In short, the **T-DRILL** family of professionals helps their customers to increase their productivity by offering a long-lasting advantage and edge.