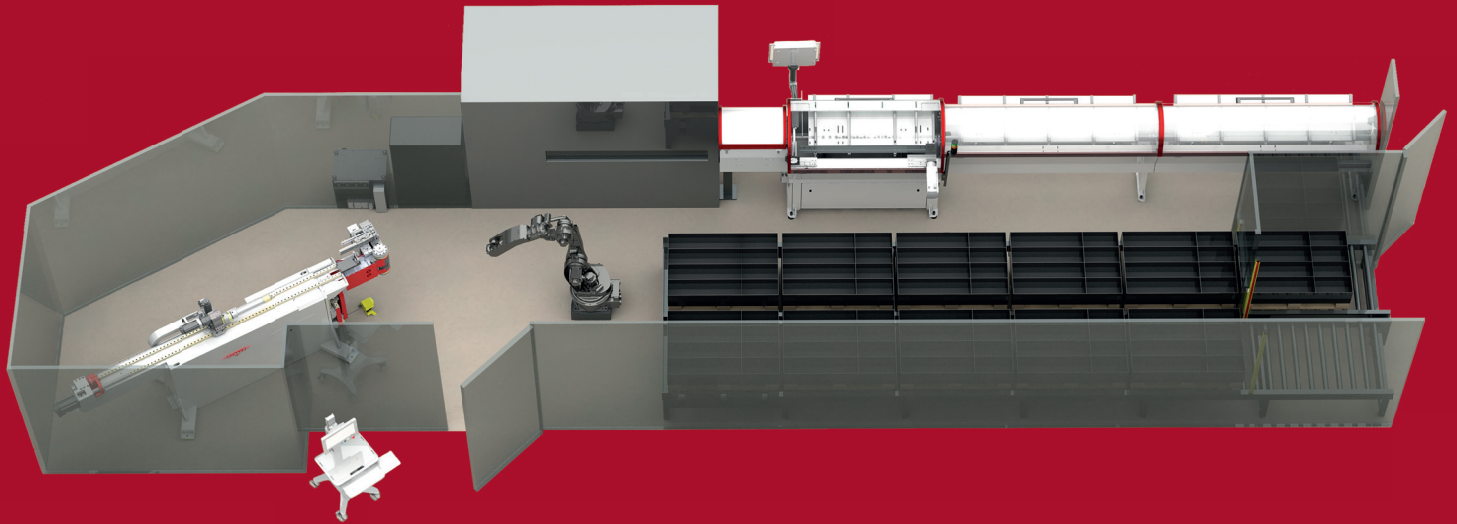


T-DRILL

PRODUCTIVITY AS A PRODUCT.



CUSTOMIZED SOLUTIONS

CUSTOMIZED
MACHINES

INTEGRATED
SYSTEMS

Customized solutions

T-DRILL offers flexible customized tube and pipe fabrication solutions for a vast variety of tubing needs. As a pioneer in the field, T-DRILL has the capability to create special machinery solutions to meet its customer's unique manufacturing requirements and to increase their productivity in a highly effective way.

CUSTOMIZED MACHINES

Special machines can be designed and developed according to the customers' needs and requirements. We can utilize **T-DRILL** already proven technologies such as collaring, chipless cutting, flanging, or tube end forming. This will also give all the benefits of T-DRILL methods with the customized machines.

Advantages of T-DRILL collaring method

- Minimize T-fittings
- No costly inventories
- No tube cutting
- Only one brazed/welded joint instead of three
- Optimized flow-characteristics
- Smaller risk of leakage
- Minimized inspection cost
- Remarkable faster through-put times
- Applicable to almost all malleable materials including stainless steel, CuNi, aluminum alloys, and copper
- Small Carbon footprint

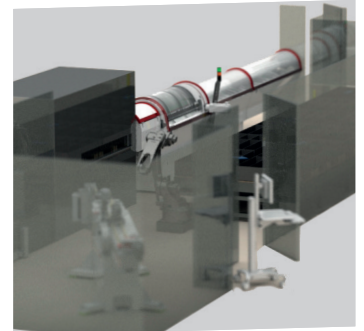
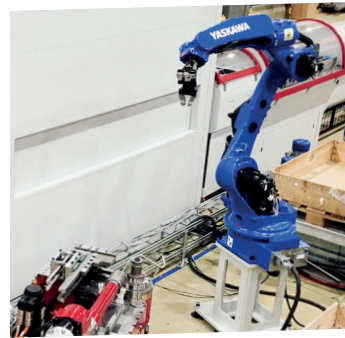
Advantages of T-DRILL chipless cutting method

- Clean, Cost-effective, and accurate Chipless Cutting Technology (TCC)
- No material loss between cuts, no expensive saw blades needed, extraordinary high output
- Pull-apart method, the tubes are ready for mandrel bending without washing or brushing

Advantages of T-DRILL flanging method

- Lips and flanges are formed directly on the end of the tube
- Saves typically 70% in both time and costs
- No risk of welding or brazing fractures
- Eliminates the need for X-Ray inspection

The Leading Innovator of Sustainable Tube and Pipe Fabrication Solutions.



INTEGRATED SYSTEMS

T-DRILL integrated system typically consists of an entire production cell or part of that and is including one or more T-DRILL industrial machines (collaring, cutting, or tube end forming machines). Also, other industrial process machines, like bending machines, tube marking, robots, and automation systems integrate each machine into the automation control system enabling the operation of the entire production cell from a main industrial computer.

- The system is Industry 4.0 ready
- Has remote access to data and reports can be seen and analyzed remotely utilizing the TD-Vault Online Cloud system

The modular design of T-DRILL machines and equipment allows us to meet industry-specific requirements and offer optimized tube and pipe manufacturing solutions. Stand-alone machines can be integrated into Flexible Manufacturing Systems that are able to produce various types of products. With carefully designed unmanned production, manufacturing costs can be minimized.

DO IT WITH T-DRILL

Cut costs – Improve quality – Increase profit

- No T-fittings
- No costly inventories
- Less tube cutting

- Only one welded/brazed joint
- Minimum inspection cost
- Tee ratio variation flexibility

- Easier welding (flat outlet)
- Smaller chance of leakage
- Optimized flow characteristics

MANUFACTURER:

T-DRILL

T-DRILL OY

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