

T-DRILL

PRODUCTIVITY AS A PRODUCT.



COLLARING SYSTEM

Large pipe and vessel collaring machine

PLUS-500

PLUS-500

XXL SIZE COLLARING

THE T-DRILL PLUS-500

T-DRILL PLUS-500 is a new, powerful and competitive T-DRILL collaring system. The system is designed for large pipe/vessel production for most malleable materials. Collaring can easily be performed by one operator.

Typical applications for the **PLUS-500** are in the production of tanks and vessels (including pressure vessels and large vessels) and large pipeline components, in the shipbuilding industry and in special equipment manufacturing. The run tube diameter range is from 273 mm to unlimited (to be checked case by case) and the collaring range mainly Ø219,1-508 mm.

T-DRILL PLUS-500 is also suitable for sheet metal/plate collaring. Max. wall thickness of stainless steel (e.g. AISI 304 and AISI 316) is 15 mm for collars Ø219,1-508 mm. Even collaring range Ø21,3-219 mm is possible with an optional tool adapter. For those smaller collars there are two alternative tooling options; one for SCH 10 (TEC standard tools) - and another for SCH 40 pipes (TEC-HD tools).

Standard **PLUS-500** Collaring Station is equipped with tilting collaring Unit A (for collars 219,1 to 508 mm). Pipe handling

and -positioning is performed with a pallet truck or rails and wagon. **PLUS-500** can be used to make collars on pipes that are in horizontal or vertical position.

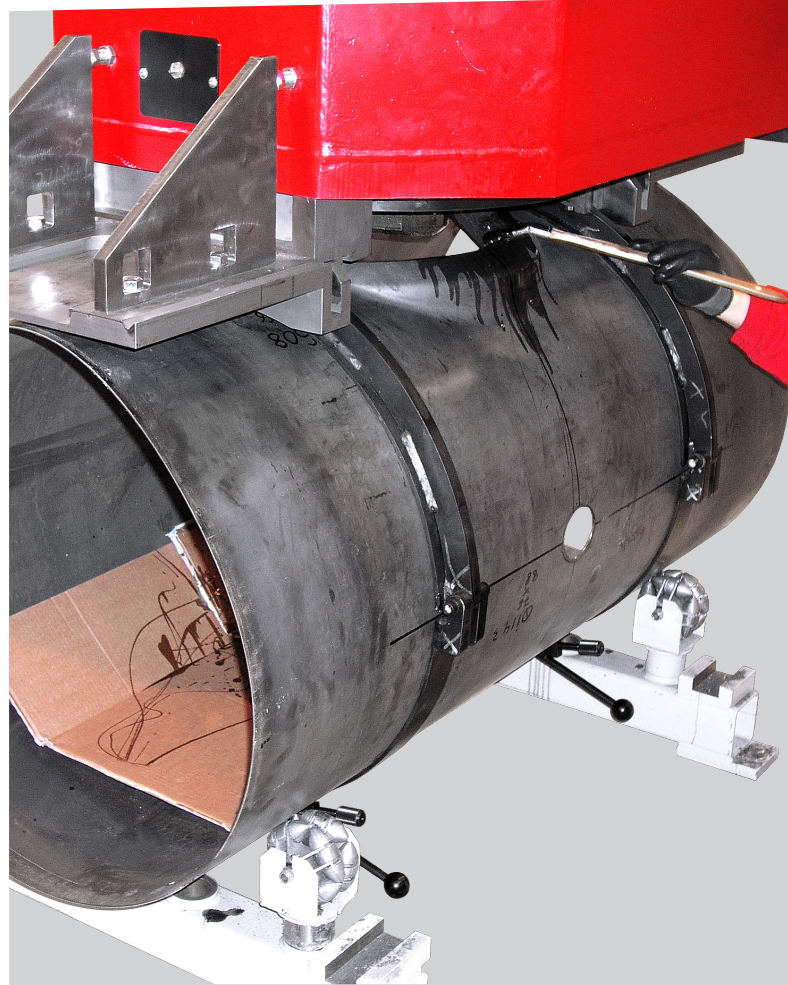
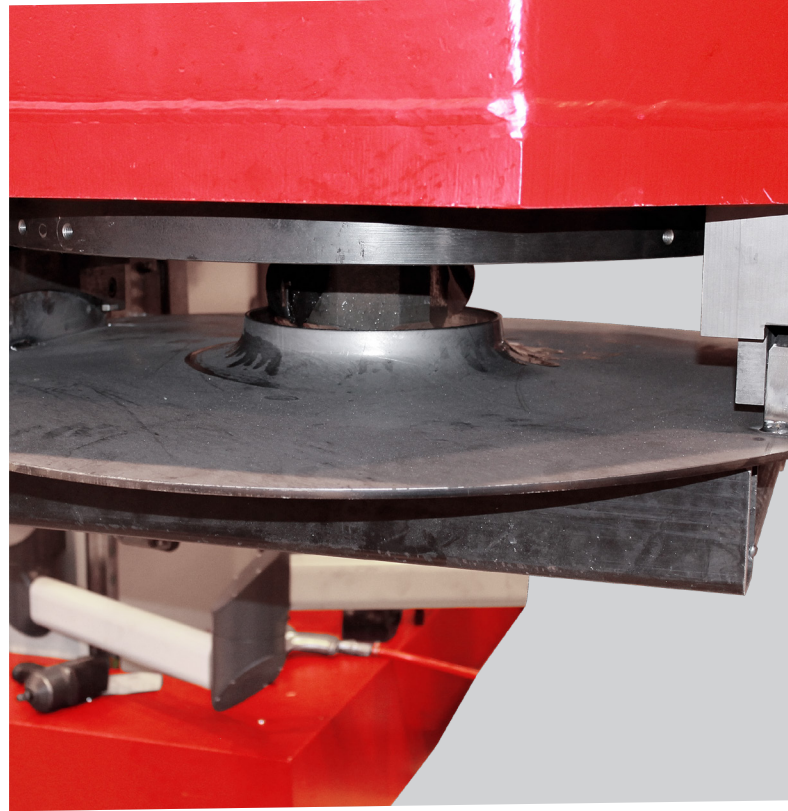
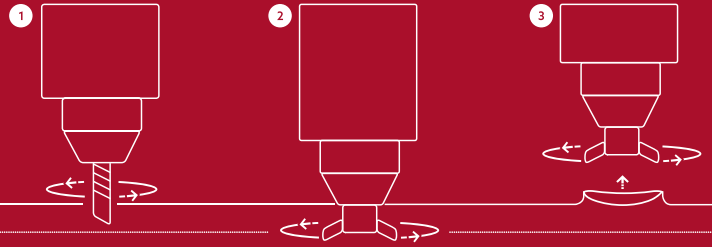
A Jib Arm is available for easy tool handling, as well as the tool wagons for tool service, -handling and -storage. The collaring equipment also includes the pipe clamping system and the trimming device for flat trimming and -beveling device (normally 37 or 37.5°). An optional pre-heating system (gas burners) is available especially for aluminium and thick wall carbon steel pipes.

The great advantage of the **PLUS-500** is that it can perform collaring from top-of-the-pipe position (traditional process) as well as be tilted to any angle (up to 90°) for operation from the side of the pipe. This is practical for the operator if the pipe diameter is very large (larger than ~1600 mm), others it would be complicated to perform the collaring operation from the top of the pipe. When pipe diameter is less than 1600 mm, the operation can be made normally from the top of the pipe.



THE T-DRILL PROCESS

1. Milling of the pilot hole 2. Collaring process 3. Trimming of the collar



Technical data

	Unit A	Unit B
Collaring range	Ø219,1 – 508 mm (8" – 20")	Ø 21,3 – 219,1 mm (1/2" – 8")
Run tube range	219,1 – ~1600 mm (8" – ~64") or even up to sheet plate	33,7 – ~609,6 mm (1" – ~24") or even more if needed
Voltage	380 – 440 V / 50/60 Hz - 3-phase	380 – 440 V / 50/60 Hz - 3-phase
Air supply	6 bar / 90 psi	6 bar / 90 psi
Motor of hydraulics	15,5 kW – Max fuses: 3x100A	15,5 kW – Max fuses: 3x100A
Max sheet width	2500 (opt. 3000 mm)	2500 (opt. 3000 mm)

DO IT WITH T-DRILL

Cut costs – Improve quality – Increase profit

- No costly inventories
- No tube cutting

- Only one welded joint
- Minimized inspection cost
- Smaller risk of leakage or call-backs

- Optimized flow-characteristics
- Hygienic, clean weld points

MANUFACTURER:

T-DRILL

T-DRILL OY

Ampujantie 32
66400 Laihia, FINLAND
Tel. +358 6 475 3333
Telefax +358 6 475 3300
sales@t-drill.fi, www.t-drill.fi

REPRESENTED BY:

T-DRILL Industries Inc.

1740 Corporate Drive,
Suite #820, Norcross,
Georgia 30093 USA
Tel. +1-770-925-0520,
Toll-free +1-800-554-2730
Telefax +1-770-925-3912
sales@t-drill.com
www.t-drill.com