

# T-DRILL

PRODUCTIVITY AS A PRODUCT.

Industry 4.0 ready



## COLLARING MACHINE

High-speed Fully Automatic Collaring Machine with Fully Servo Controlled Process

SEC-115

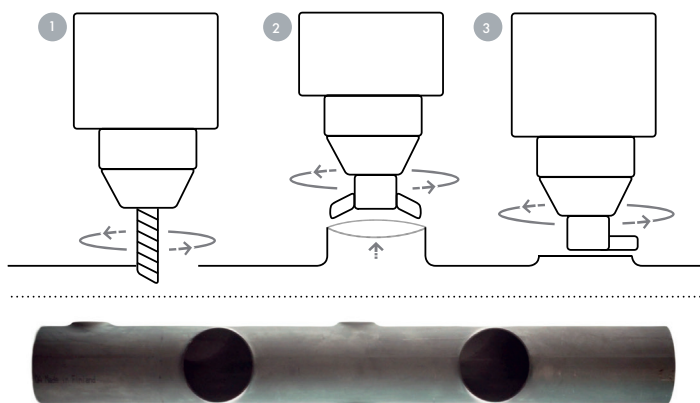
## SEC-115 Collaring Machine

**T-DRILL Fully Automatic Collaring Machine SEC-115** with automatic tool changer for five different collaring tools makes production of manifolds with multiple collar diameters easier, faster and more productive than ever before. **SEC-115** is suitable for stainless steel, steel, copper and aluminum manifold production.

The high speed **SEC-115** operates by moving according to program along the tube length, while pipe is rotated when needed. The SEC-115 has fully automatic collaring cycle:

1. Pilot hole milling, 2. Collar forming and 3. Trimming for the collars to be welded.

### THE T-DRILL PROCESS



SEC-115 made this manifold in less than 10 minutes.

While pilot hole milling unit makes the pilot hole, collaring unit collects simultaneously correct collaring tool from magazine and starts collaring cycle in flash, when pilot hole is ready. Collaring tool is adjusted automatically according to programmed collar diameter, so no manual tool adjustment is needed.



## DO IT WITH T-DRILL

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

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

- Smaller risk of leakage or call-backs
- Optimized flow-characteristics



### Capacity | Max. wall thicknesses

		Collar outside diameter										
		Milling / Collaring / Trimming   Steel & Stainless steel										
		17 mm	19,05	21,3	26,9	33,7	42,4	48,3	60,3	76,1	88,9	114,3
		NS inch	¾"	½"	¾"	1"	1¼"	1½"	2"	2¾"	3"	4"
Run tube outside diameter	33,7	1,5	1,5	2,0	2,6	2,6	—	—	—	—	—	—
	1"	0,059	0,059	0,079	0,102	0,102	—	—	—	—	—	—
	42,4	1,5	1,5	2,0	2,6	2,9	2,9	—	—	—	—	—
	1¼"	0,059	0,059	0,079	0,102	0,114	0,114	—	—	—	—	—
	48,3	1,5	1,5	2,0	2,6	2,9	2,9	2,9	—	—	—	—
	1½"	0,059	0,059	0,079	0,102	0,114	0,114	0,114	—	—	—	—
	60,3	1,5	1,5	2,0	2,9	2,9	2,9	3,05	3,05	—	—	—
	2"	0,059	0,059	0,079	0,114	0,114	0,114	0,120	0,120	—	—	—
	76,1	1,5	1,5	2,0	2,9	2,9	3,05	3,05	3,05	3,05	—	—
	2¾"	0,059	0,059	0,079	0,114	0,114	0,120	0,120	0,120	0,120	—	—
	88,9	1,5	1,5	2,0	3,05	3,05	3,05	3,05	3,05	3,05	3,05	—
	3"	0,059	0,059	0,079	0,120	0,120	0,120	0,120	0,120	0,120	0,120	—
	114,3	1,5	1,5	2,0	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05
4"	0,059	0,059	0,079	0,120	0,120	0,120	0,120	0,120	0,120	0,120	0,120	
139,7	1,5	1,5	2,0	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	
5"	0,059	0,059	0,079	0,120	0,120	0,120	0,120	0,120	0,120	0,120	0,120	
168,3	1,5	1,5	2,0	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	
6"	0,059	0,059	0,079	0,120	0,120	0,120	0,120	0,120	0,120	0,120	0,120	
219,1	1,5	1,5	2,0	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	
8"	0,059	0,059	0,079	0,120	0,120	0,120	0,120	0,120	0,120	0,120	0,120	
273	1,5	1,5	2,0	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	
10"	0,059	0,059	0,079	0,120	0,120	0,120	0,120	0,120	0,120	0,120	0,120	

### Technical data

Steels	
Collaring range	17 - 114,3 mm / NS ¾" - 4"
Run tube size	33,7 - 273 mm / 1" - 10"
Rated power	15 kW

The information included in this brochure is subject to revision without notice.

Cut costs – Improve quality – Increase profit

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