T-DRILL

PRODUCTIVITY AS A PRODUCT.

Industry 4.0 ready





COLLARING MACHINE

SEC-115

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

Specifications

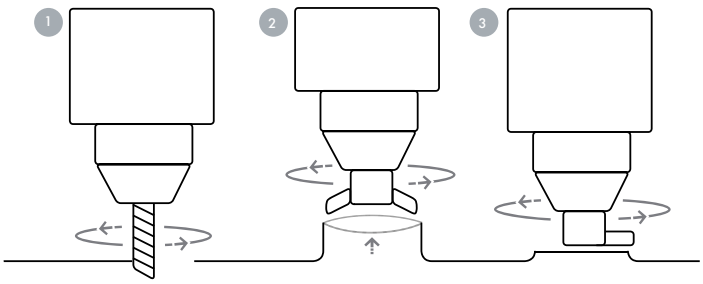
SEC-115

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



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.







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

Capacity | Max. wall thicknesses



Collar outside diameter



Run tube outside diameter

Milling / Collaring / Trimming I Steel & Stainless steel											
mm NS inch	17 mm ⅜"	19,05	21,3 ½"	26,9 ¾"	33,7 1"	42,4 1¼"	48,3 1½"	60,3 2"	76,1 2¾"	88,9 3"	114,3 4"
33,7 1"	1,5 0.059	1,6 0.063	2,0 0.079	2,6 0.102	2,6 0.102	–	–	–	–	–	–
42,4 1¼"	1,5 0.059	1,6 0.063	2,0 0.079	2,6 0.102	2,9 0.114	2,6 0.102	–	–	–	–	–
48,3 1½"	1,5 0.059	1,6 0.063	2,0 0.079	2,6 0.102	2,9 0.114	2,9 0.114	2,9 0.114	–	–	–	–
60,3 2"	1,5 0.059	1,6 0.063	2,0 0.079	2,9 0.114	2,9 0.114	2,9 0.114	3,05 0.120	3,05 0.120	–	–	–
76,1 2¾"	1,5 0.059	1,6 0.063	2,0 0.079	2,9 0.114	2,9 0.114	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	–	–
88,9 3"	1,5 0.059	1,6 0.063	2,0 0.079	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	–
114,3 4"	1,5 0.059	1,6 0.063	2,0 0.079	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120	3,05 0.120
139.7 5"	1,5 0.059	1,6 0.063	2,0 0.079	3,05 0.120	3,05 0.120	3,4 0.134	3,4 0.134	3,4 0.134	3,4 0.134	3,4 0.134	3,4 0.134
168.3 6"	1,5 0.059	1,6 0.063	2,0 0.079	3,05 0.120	3,05 0.120	3,4 0.134	3,4 0.134	3,4 0.134	3,4 0.134	3,4 0.134	3,4 0.134
219.1 8"	1,5 0.059	1,6 0.063	2,0 0.079	3,05 0.120	3,05 0.120	3,4 0.134	3,8 0.150	3,8 0.150	3,8 0.150	3,8 0.150	3,8 0.150
273 10"	1,5 0.059	1,6 0.063	2,0 0.079	3,05 0.120	3,05 0.120	3,4 0.134	4,4 0.173	4,4 0.173	4,4 0.173	4,4 0.173	4,4 0.173

Technical data

	Steels
Collaring range	17 – 114,3 mm / NS ⅜" - 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.

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
- Minimized inspection cost
- Tee ratio variation flexibility

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

MANUFACTURER:

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REPRESENTED BY:

Item 13-11-2026