T-DRILL

SP-SERIES

Tube End Spinning machines

IT'S THE TOOLS

THAT SAY HOW GOOD YOU ARE.

SP-series

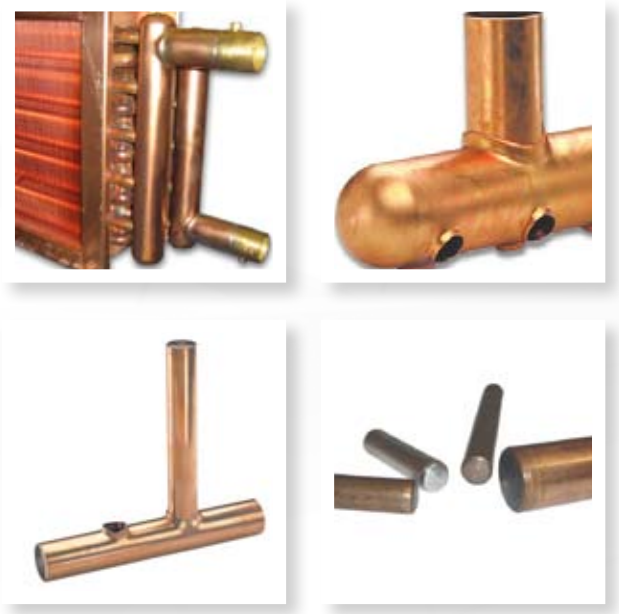
TUBE END SPINNING MACHINES

SP TUBE END SPINNING MACHINES

The T-DRILL Tube End Spinners are designed to produce a wide variety of tube end geometries. Closing, reducing, expanding, even with exceptionally long and complicated shapes are possible to form. These shapes are typically used in air-conditioning, cooling, solar panel and mechanical contractor industries.

The spinners are fully automatic and suitable for materials such as copper and brass.

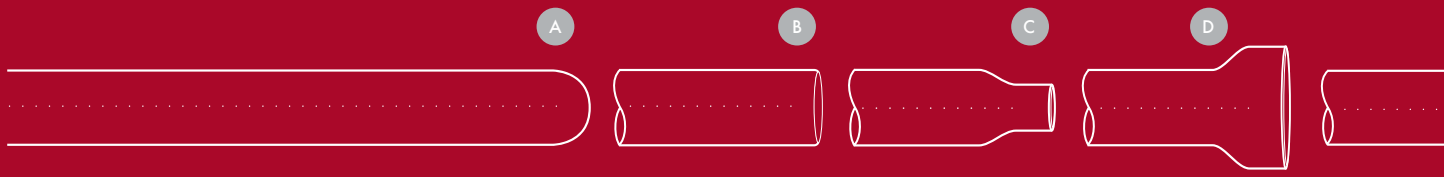
After the work piece has been loaded, the clamp jaws grip the tube and the rotating tool is fed against the tube end. The friction of the rotating tool and the stationary work piece heats up the tube end, forming it rapidly to the shape of the tool.



TUBE END SPINNING

T-DRILL tube end spinners can form several shapes for copper and brass

A. Closing B. Flat closing C. Reduction D. Expansion



SP-55 TUBE END SPINNING MACHINE

Tube End Spinning machine for closing, reducing and expanding of copper tubes - Max. tube diameter 67 mm - Min. tube length 100 mm - Max. wall thickness 3 mm

SP-110 TUBE END SPINNING MACHINE

Tube End Spinning machine for closing, reducing and expanding of copper tubes - Max. tube diameter 104 mm - Min. tube length 100 mm - Max. wall thickness 3 mm

SPF-110 FLAT TUBE END SPINNING MACHINE

Flat End Spinning machine for flat closing (90 degrees) as well as reducing and expanding of copper tubes - Max. diameter of flat end closing 104 mm - Max. diameter of tubes to be reduced and expanded 54 mm. Typical process time for flat closing is 25 - 40 seconds depending on material specification

OTHER T-DRILL MACHINERY

TCC-SERIES
High volume chipless Cut-Off systems

S-54
State-of-the-art unit for high volume production of T-DRILL Collars

DO IT WITH T-DRILL

CUT COSTS – IMPROVE QUALITY – INCREASE PROFIT.

- Economical: Reduces the costs of fittings and brazing materials
- Simple: No need or inventory of expensive fitting pieces
- Fast: Reduces the working time
- Quality: Improves product integrity by eliminating leak point

Technical data

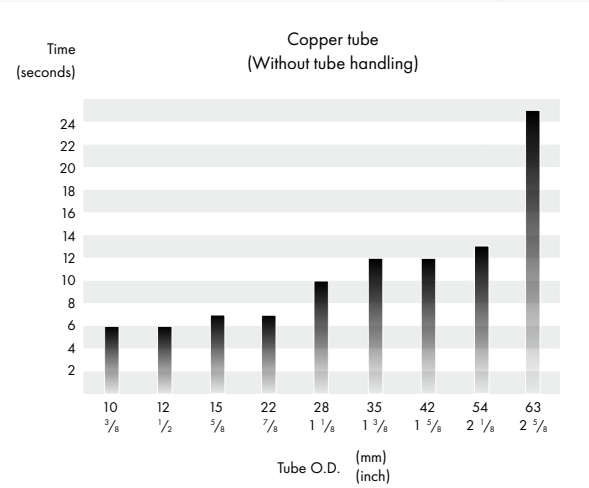
	SP-55	SP-110	SPF-110
Material of tube	Copper (Cu)	Copper (Cu)	Copper (Cu)
Max. wall thickness	3 mm	3 mm	3 mm
Weight	600 kg	650 kg	700 kg
Nominal power	11 kW	18,5 kW	11 kW
Air supply	6 - 8 bar	6 - 8 bar	6 - 8 bar
Air consumption	850 Nl/min	850 Nl/min	850 Nl/min

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

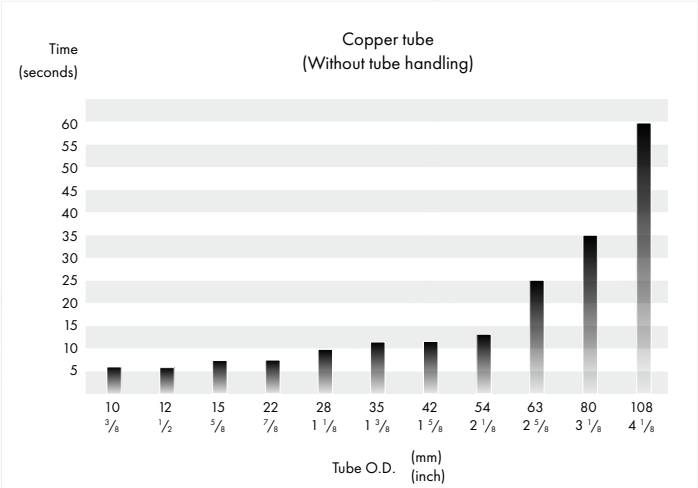
Capacity of the machines

	SP-55	SP-110	SPF-110
Closing	8 - 67 mm (Ø 5/16" - 2 5/8")	8 - 104 mm (Ø 5/16" - 4 1/8")	8 - 67 mm (Ø 5/16" – 2 5/8")
Reduction	8 - 67 mm (Ø 5/16" - 2 5/8")	8 - 104 mm (Ø 5/16" - 4 1/8")	8 – 67 mm (Ø 5/16" - 1 3/8" / 2 5/8")
Expansion	8 - 54 mm (Ø 5/16" - 2 1/8")	8 - 67 mm (Ø 5/16" - 2 5/8")	8 - 54 mm (Ø 5/16" - 2 1/8")
Flat closing	N/A	N/A	Universal tool for 16 - 60 mm (Ø 5/8"- 2 3/8") and for 60 - 110 mm (Ø2 3/8" - 4 1/3")

Typical Spinning cycle times SP-55



Typical Spinning cycle times SP-110



The charts above are for guidance only. Depending on material specification.

MANUFACTURER:

REPRESENTED BY:

P.O.Box 20, FIN-66401 LAIHIA, Finland
Tel. +358 6 475 3333
Telefax +358 6 475 3300
e-mail: sales@t-drill.fi
www.t-drill.fi

ITEM 5002/10/10