

# T-DRILL

TCC-50 MCS  
Tube cutting machine



IT'S THE TOOLS  
THAT SAY HOW GOOD YOU ARE.

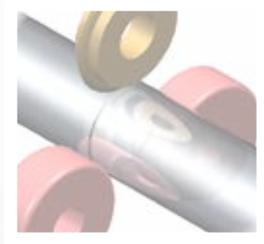
# TCC-50 MCS

## CUTTING MACHINE

### T-DRILL Chipless cutting

The TCC-50-MCS provides a cost effective solution for those needing the benefits of a chipless rotary cut-off but with lower volume requirements. The tube is fed manually by the operator to the adjustable stopper followed by automatic rotary cut-off. With a digital read-out the cut-length setting can be made fast and accurately. The tube diameter range is 1.5 – 45 mm. The machine is suited for copper, aluminium, brass, CuNi, mild- and stainless steel.

The Rotary cut-off eliminates chips, scrap, secondary deburring and part washing. It is ecologically friendly, quiet and fast cutting method. Minimal I.D. reduction is of vital importance for secondary operations such as mandrel bending and stand alone end forming. With TCC-50-MCS, this can be achieved by using a fast, two step cutting method. First the cutting disk penetrates 95% of the tube wall, and then the cut piece is separated by pulling it laterally apart.



### Typical applications

There are a growing number of applications. For example, this method is used in:

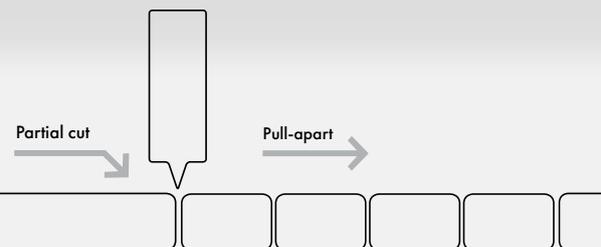
- Automotive brake and fuel lines
- Automotive exhaust
- Solar panels
- Heat exchanger applications
- Refrigeration
- Heating

### General capacity

Material	Copper, Aluminium, Steel, Stainless steel, Brass, CuNi
Minimum diameter	1.5 mm / 0.06"
Maximum diameter	45 mm / 1.77"
Minimum cut length	25mm / 75 mm with pull apart
Cut length tolerance	± 0.1 mm
Maximum wall thickness	2.5 mm / 0.1"

## T-DRILL CUT-OFF

T-DRILL rotary tube cut-off system is used for cutting and then pulling a cut-length apart with clamping mechanism.



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