TTS-RD SERIES

TTS-RD

Ø 21 - 141.3 mm (0.827” - 5.563”)

DESCRIPTION:

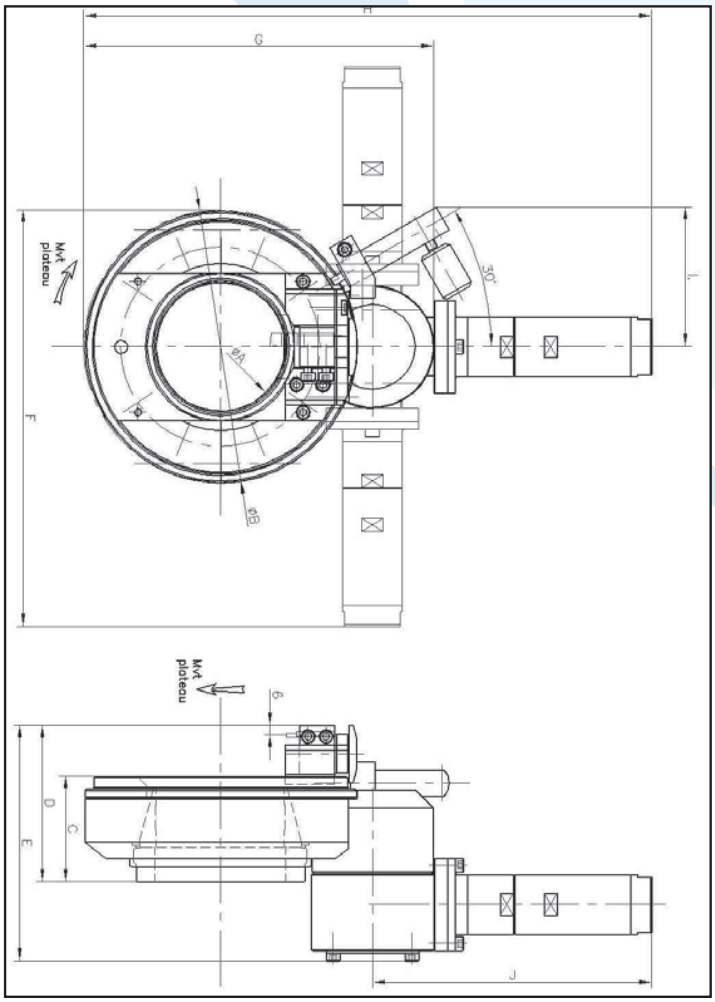
The TTS-RD cutting machines are designed to cut and bevel all types of tubes, individually or simultaneously.

The collet clamping system of the TTS-RD series allows for quick set-up and an easy concentricity adjustment. This clamping method is particularly suited to small wall thicknesses in order to avoid tube distortion in case of poor machine set-up. These machines have the lowest clearance of the series.

Splitframe design. All gears are protected for increased protection of the operators. They can be controlled remotely for operations being done in ionizing areas, for example.

Beveling	Cutting	Facing	Counterboring	Surfacing
✗	✓	✓	✗	✗

DIMENSIONS:



TECHNICAL FEATURES:

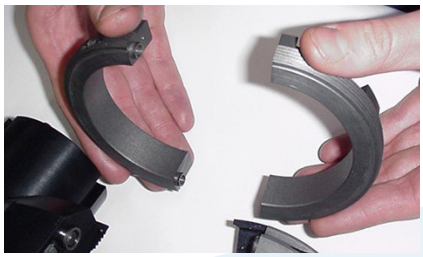
Machine	TTS-RD
Machining Capacity	21 mm (0.827“) OD
	141.3 mm (5.563“) OD
Clamping	manual with a key
Feed	Automatic with clutch
Rotation	Up to 30 rpm off-load-speed
Drive Power	Pneumatic.
Pneumatically driven machines have to be used with a lubricating filter. Recommended option: regulation valve.	

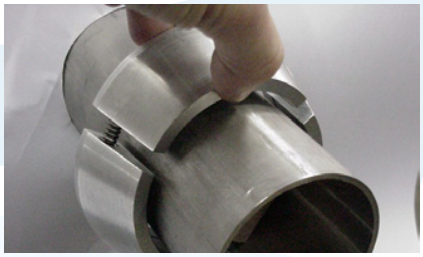
TTS-RD SERIES

ASSEMBLY OPERATION:

Operation 1 :
Implementation of nut + collet

The two parts of the nut must positioned on the tube. Next the collet is positioned relative to the outside diameter of the tube. Then the machine is positioned on the tubes (see the photo enclosed).





Operation 2:
Implementation and assembly of the two half-shells on the tube.

The TTSRD machines are portable and made for orbital tube cutting. These machines can be opened in two half-shells.

This allows for cuts to be made cleanly and precisely.

The Spilt-frame configuration allows for fast set up on the outside diameter of the tube.

Operation 3:
Clamping of the machine nut on the tube.

Clamping with a pin wrench and Immediate centering on the tube.

The tool holder modules have an automatic feed and manually adjustable carriage.

Each round, due to the clutch pin, moves the tool carriage forward. (0.04 mm (.002") /rev)

Two drive designs are avaible; straight or angle drive version (only for the pneumatic drive)

A clutch system stops and restarts the machining process at any time. This system is very safe due to the incrementation system.

Operation 4:
Incrementation of the tools

Operation 5:
Cutting

TTS-RD60

Ø 21.3 - 60.3 mm (0.839” - 2.374“)

≈ 8 kg
≈ 17.6 lbs

ORDER NO.	DESCRIPTION
TTSRD60-1000	Orbital tube cutting machine with concentric clamping and pneumatic drive 730 W.

DIMENSIONS:

A	B	C	D	E
Dimensions on request				

TTS-RD 73

Ø 21.3 - 73 mm (0.839” - 2.874")

≈ 8,5 kg
≈ 18.7 lbs

ORDER NO.	DESCRIPTION
TTSRD73-1000	Orbital tube cutting machine with concentric clamping and pneumatic drive 730 W.

DIMENSIONS:

A	B	C	D	E
Dimensions on request				

TTS-RD 88

Ø 33.4 - 88.9 mm (1.29” - 3.46“)

≈ 9 kg
≈ 19.8 lbs

ORDER NO.	DESCRIPTION
TTSRD88-1000	Orbital tube cutting machine with concentric clamping and pneumatic drive 730 W.

DIMENSIONS:

A	B	C	D	E
Dimensions on request				

TTS-RD 101

Ø 48.3 - 101.6 mm (1.889” - 4“)

≈ 10 kg
≈ 22 lbs

ORDER NO.	DESCRIPTION
TTSRD101-1000	Orbital tube cutting machine with concentric clamping and pneumatic drive 730 W.

DIMENSIONS:

A	B	C	D	E
Dimensions on request				

TTS-RD 114

Ø 60.3 - 114.3 mm (2.36” - 4.5“)

≈ 12 kg
≈ 26.4 lbs

ORDER NO.	DESCRIPTION
TTSRD114-1000	Orbital tube cutting machine with concentric clamping and pneumatic drive 730 W.

DIMENSIONS:

A	B	C	D	E
Dimensions on request				

TTS-RD 127

Ø 60.3 - 127 mm (2.36” - 5“)

≈ 13 kg
≈ 28.6 lbs

ORDER NO.	DESCRIPTION
TTSRD127-1000	Orbital tube cutting machine with concentric clamping and pneumatic drive 730 W.

DIMENSIONS:

A	B	C	D	E
Dimensions on request				

TTS-RD 141

Ø 73 - 141.3 mm (2.874” - 5.55“)

≈ 15 kg
≈ 33 lbs

ORDER NO.	DESCRIPTION
TTSRD141-100	Orbital tube cutting machine with concentric clamping and pneumatic drive 730 W.

DIMENSIONS:

A	B	C	D	E
Dimensions on request				