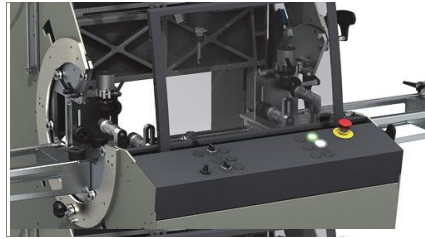




**TKE 158S**  
Manual copy router



Workpiece rotation 01



Control joystick 02

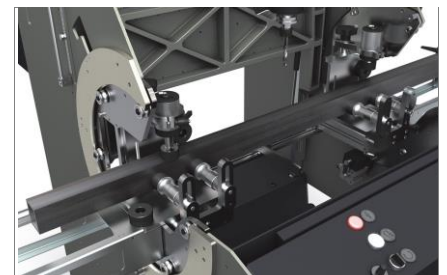
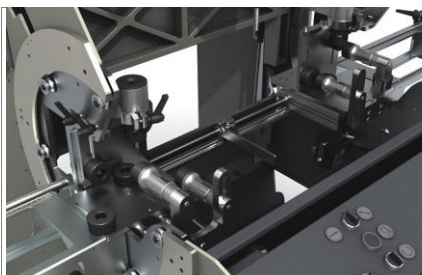


Manually controlled single-head copy router with pneumatic clamping and traverse of the cutting head with indirect lever. It can cut steel up to 3 mm. The machine, equipped with a system of rotation of the clamp base, can work 4 faces of profiles without unlocking the clamps or performing through machining, by rotating the piece up to 270° in sectors of 90°. Locking is ensured by 4 pneumatic stops.. Pneumatic guard for the work zone. The rotation device allows higher machining speed and accuracy, as well as the use of shorter tools thus avoiding through machining, and reduction of vibration and noise.

Clamps 03

Stops and roller conveyors 04

Control with inverter 05



# TKE 158 S

Manual copy router

## 01

### Workpiece rotation

Via the release control on the console, the slewing ring with rotary movement can be moved manually and blocked in 4 preset positions by pneumatic stops, for processing to be performed on the other sides of the profile.

## 02

### Control joystick

The lever allows the vertical movement of the milling unit. A motor starter button is found on the joystick.  
The electrospindle has a tool holder with an ISO 30 quick coupling; there are 4 housings on the sides of the machine for 3 tool holders.

## 03

### Clamps

The machine has manually adjustable pneumatically-controlled horizontal and vertical clamps with a low pressure device, which guarantee the profile is blocked properly in the machine.

## 04

### Stops and roller conveyors

The roller conveyors positioned on the right and left support very long profiles being processed. Moreover, a system of manually-adjustable stops, also on the right and left, allows the workpiece to be positioned properly in the machine, taking it to the work area.

## 05

### Control with inverter

The control panel allows the machine to be activated, the motor to be switched on and the clamps to be opened and closed. The presence of the inverter allows the motor revs to be changed by means of a potentiometer on the console. An optional air-cooling system at -20°C allows stainless steel to be processed up to a thickness of 2 mm.

## CHARACTERISTICS

Motor with inverter (kW)	1,1
Tool speed (r.p.m.)	1.000 ÷ 10.000
Travel (X-Y-Z) (mm)	380 – 150 – 250
Clamp capacity at 90° (mm)	140 x 120
Horizontal clamps with double clamp and low pressure device	2
Vertical clamps with low pressure device	2
Pair of vertical clamps with low pressure device on side supports	○
Quick tool change	ISO 30
Max. tool diameter (mm)	10
Max. tool length (mm)	95
Adjustable clamp jaws, made of PVC	●
Single-lip cutter (mm)	Ø = 5 – 10
Cutter collet complete with ring nut (mm)	Ø = 5/6 – 9/10
Head traversed by indirect lever	●
Stylus tip with 4 diameters	Ø = 5 - 6 - 8 - 10
Potentiometer for tool speed control	●
Spray-mist coolant system with water and oil emulsion	●
Injection lubrication system	○
Air cooling system operating at -20°C and injection lubrication system with 1 nozzle for stainless steel machining	○
Laser pointer	○
Jig with standard shapes	●
Right and left profile support with 4 excludable stops	●
Central stop sliding on linear guides	●
Integrated tool-holders warehouse, 4 places	●
Machining head moving on precision linear guides	●

- *included*
- *available*