Automation

MAUS ITALIA

TL

Free tubes

RP

Parallel rolls

CPZ

Automatic compensation of the expansion limit depth

CDAS

Mandrel forward movement digital control

CVSC

Speed continuous variation

600 tubes/h
1 cycle every 6 sec.

MA-500

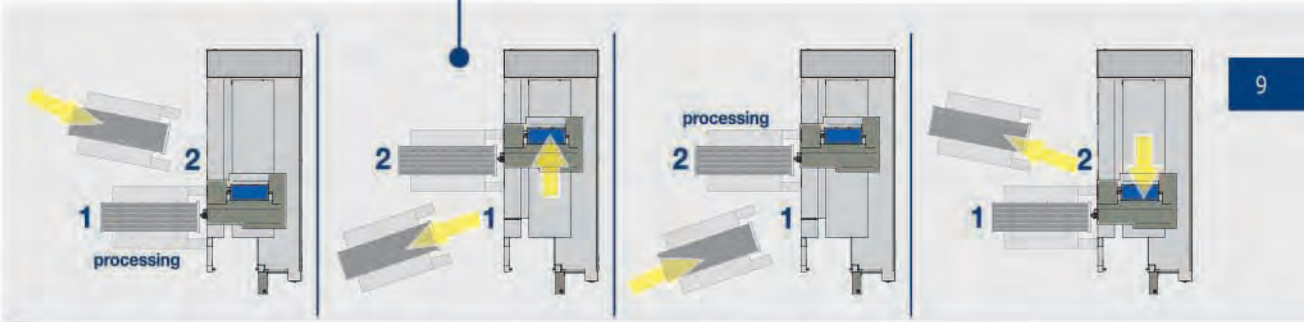
Single axis cnc working centre for **rolling and facing** ideal for production in series.

Tube sheet max diameter 1000 mm (40”)

The ***MA-500*** is the most innovative and effective solution ever proposed by Maus Italia for automating the process cycles of assembling of the small heat exchangers for the high volume production.

- High technology
- Maximum productivity

Pendulum process with trolleys
Continuous positioning in front of the machine eliminates the load/unload downtimes, increasing the production.



Series MA cnc working centres overview

MA-500

Cnc working centre with **single axis** fixed machine to **expand** and **face** the tube bundle tubes.
Automatic solution ideal for the **serial production** of **tube bundle exchangers** with the following features:

- **Tube sheet max diameter**
  1000 mm (*40”*)
- **Tube sheet max thickness**
  200 mm (*8”*)
- **Tube diameter**
  First **line of tube expanders** called "light"
  6 ÷ 16 mm (*1/4”÷5/8”*)
  Second **line of tube expanders** called "heavy"
  9,5 ÷ 51 mm (*3/8”÷ 2”*)

MA-2501

Cnc working centre with **single or double axis** movable machine **for expansion**, **TIG orbital welding, and facing** of the **tube bundle tubes** and for the **grooving** of **medium-large diameter tube sheet holes**.

The ***MA-2501*** is the most innovative and effective solution ever proposed by Maus Italia as for automating the process cycles of assembling of the **tube bundle exchangers** with the following main features:

- **Tube sheet diameter**
  2500 mm (*100”*)
- **Tube sheet max thickness**
  700 mm (*27.5”*)
- **Tube diameter**
  9,5 ÷ 51 mm (*3/8”÷ 2”*)

The **specified diameter of the tube sheet** refers to the **single positioning**. Processing on **greater diameters** is possible with fast and simple **multiple positioning**.