

END FORMING MACHINE

Self Standing & Integrated - Mod. PL 35 X 6 EVO

Description

This machine is self-standing & independent and can be used with the machines of the series “pipe cutter MTS”, “Primatist SILVER”, or the transfer line of the series “TA4G”.

It is used for expanding, reducing, forming or closing the pipes ends, whether it is used combined with the automatic machines or installed independently; If combined in-line, the tube is to be worked on one end only while the other end is done off-line, manually.

This machine, if combined with the CNC machines, can be controlled by the PLC machine to which it is combined, otherwise with its own control board with an independent PLC.

The machine includes 4 different groups:

CLAMPS group (both manual and automatic)

PUSH group with 6 revolver heads

ROTATING group with a spinning unit

SUPPORT bench and basic group.

Only if optioned:

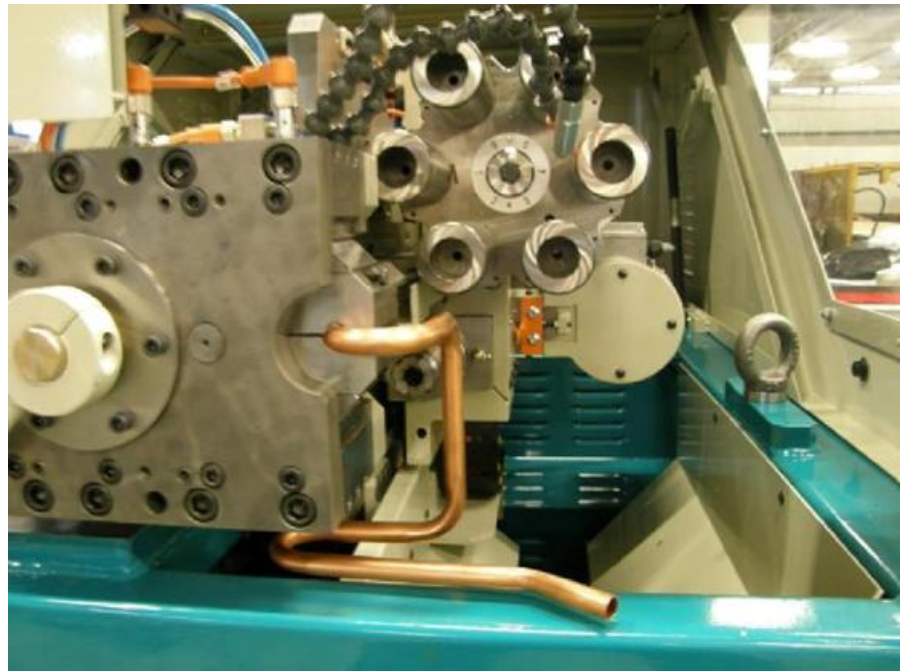
The machine can be supplied, if optioned, with an industrial PC that can be inserted into the machine body, on the retractable panel, having a touch screen of max. 8”

or alternatively, a 10” touch screen fitted onto an independent moveable pulpit connected to the end forming machine with a python flexible tube.

Description



The clamps group ensure the hold of the tube by means of a double cone, which operates directly on the nipper with a system of levers, and it can produce a push of about 4600 Kg.



The push group is moved by a cylinder ATOS of a 63mm diameter, it slips on slides and guide blocks on ball bearings. This method is particularly efficient as it can offer an unlimited length of

time, a precision in the tool/pipe alignment and low maintenance.

The rotating group is made of an electric rotating head, with pneumatic advancement and automatic end-run & return: The operations on this tool are also programmed on the check panel and coordinated with the other tools. – Not optioned.

The support group, which is obtained from heavy duty steel structures, offer a strong support for any kind of machine combination you wish to obtain with the PL 35x6 SP, even in vertical position.

The check panel is incorporated into the machine framework. It is retractable and carries its own PLC and/or industrial PC, if optioned.

Performance

Pipe diameter	min .2 mm; max. 22 mm
Pipe length	endless
Stroke	110 mm
Push	3500 kg/m
N° of stages	2 for the model PL 35x2
.....	4 for the model PL 35x4
.....	6 for the model PL 35x6 and 35x6 SP

Technical characteristics PL35 x 6 SP

Motor power	7,5 kW
Working pressure	100 bar
Set-up time tooling	2 min
Set-up time tool.+tube	3 min

Machine Overall Dimensions

Length	1.918 mm
Width	1.434 mm
Height	1.590 mm