

“TATU3000” MACHINE

AUTOMATIC ROUND/SQUARE CARDBOARD TUBES CUTTING MACHINE

- The operating cycle of the machine picks up tubes up to 6 meters long from the loader and cuts them into pieces of the required length, as well as separating cut pieces from any waste.
- The machine is designed to work in automatic mode, but it can also be used for cutting a single tube.
- Versatility, ease of use and calibration and high yield are this machine's top assets that give a considerable advantage in product flexibility, avoiding accumulation of unnecessary stocks and reducing production costs.
- Both tube loading and cut pieces unloading are carried out in front of the operator's workstation whereas leftover materials, debris and other waste are collected in the waste box located under the machine and accessible from the rear.
- The cut is made by a steel blade with high quality widia plates, specially sharpened for use with cardboard and guarantee long life and excellent cut finish.
- Cut tubes length can be set and viewed via keyboard and display with a ± 2 mm precision.
- The cutting parameters programming features controls that help the operator to obtain the perfect product size avoiding setting errors and unnecessary waste.
- A state of the art PLC manages movement automation and the signals of the various safety devices to guarantee correct operation, all via a 7" touch screen and keyboard.
- The machine features a counter to set the maximum number of tubes to be cut into cores.
- Suction nozzles located on the tube pushers and the blade guard remove the dust generated by cutting which is deposited in a bag filter.
- The suction filter is equipped with an automatic device to keep the bags constantly clean and with a bag for collecting dust.
- The machine is mainly equipped with “OMRON” electronic devices and “SMC” pneumatic equipment.
- Appropriate protections and safety systems make the machine compliant with the CE regulations in force.



TUBES MEASUREMENTS

SQUARE TUBES OUTER MEASUREMENTS	105x105 mm
ROUND TUBES OUTER DIAMETER	90mm
SQUARE/ROUND TUBES THICKNESS	4 mm
MAXIMUM LENGTH OF THE TUBES TO CUT	6100mm
LENGTH OF FIRST DISCARDED PIECE	65mm
LENGTH OF LAST DISCARDED PIECE	65mm
MINIMUM LENGTH OF CUT PIECES	450mm
MAXIMUM LENGTH OF CUT PIECES	3100mm
MEASUREMENT PRECISION:	±2mm
MAXIMUM NUMBER OF TUBES ON THE LOADER	8 square tubes - 9 round tubes
MAXIMUM NUMBER OF TUBES ON THE UNLOADER	7 square tubes - 8 round tubes

SPECIFICATIONS

VOLTAGE	3x400V+T 50÷60Hz 2,5kW
COMPRESSED AIR REQUIRED	6÷10 bar - 100 NL/minute at 4 bar
HOURLY YIELD	5 cuts/minute
MACHINE MEASUREMENTS:	11 x 1,5 x h. 2 m
NET WEIGHT	2200Kg

The aforementioned specifications and features may change so always request confirmation that the actual products you acquire have them.