

ROBOT FOR PROCESSING/PALLETIZING CURBS



1.- TECHNICAL DESCRIPTION

Robot for the elaboration of finishes and palletizing with articulated vacuum suction cup for granite, marble and limestone curbs.

The scope of supply consists of:

- 1 Robot mod. KR-360.
- 1 Group of chamfering, disk casing, water diffuser, etc.
- 1 Flaming torch, regulators, valves, etc.
- 1 Vacuum group, with pump, tank, suction cup, valves, etc.
- 1 electrical panel, and control panel with touch screen.
- 1 Curb stop and squaring device.
- 1 Turning table for the elaboration of curbs.
- 1 Safety fence to limit access to the moving part of the machine.

The Robot is specially designed to perform automated tasks in performing curb finishing, edge milling or rounding, flaming faces and subsequent palletizing, based on the same operating principles applied in standard Nodosofer machining and palletizing and offers multiple advantages: optimization of work processes, reduction of cycle times and efficient use of dead times, etc.

A compact and specially designed head is implemented on the Robot wrist, on which the milling motor group, the torch to carry out the flaming, as well as a suction cup for handling is supported.

The Suction Cup, also of particular design, is composed of a rectangular plate, capable of supporting horizontal loads of up to 360 KG. (HEAD ENCLOSED)



A double device for butting and squaring located on the band table, allows the positioning and control of the curbs prior to reception by the robot.

The turning table for the elaboration of the curbs is located in the working area of the robot and allows to greatly reducing the times during the elaboration process.

The work area is protected, limiting access to risk areas by means of protection fences and photocells, to avoid any risk of accident.

The programming and the sequence of work is variable and parameterizable. It is done by selecting from the control panel.



2. - PROCESSING AND PALLETIZING ROBOT CHARACTERISTICS:

- Max. load capacity: 360 KG.
- Central vacuum: 90 m³ / h
- Milling motor power: 10 CV
- Installed power: 50 CV