

Automatic feeding of nuts, bolts and miscellaneous hard-to-handle workpieces for welding installations

V.2011

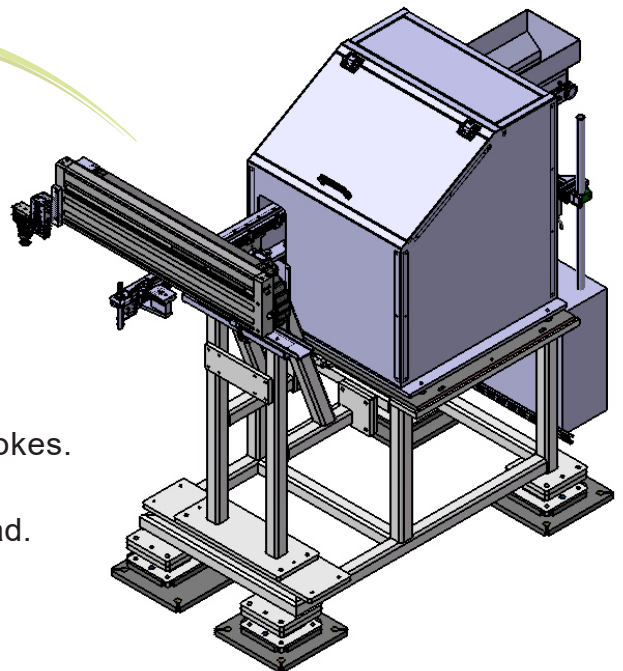
Pick & Place

- Accurate feeding, guidance and positioning of volumetric, flat and long workpieces.
- Line-up checking system.
- Top cover for low noise and high protection.
- Wide scope of configurations.
- Dedicated designs on request.



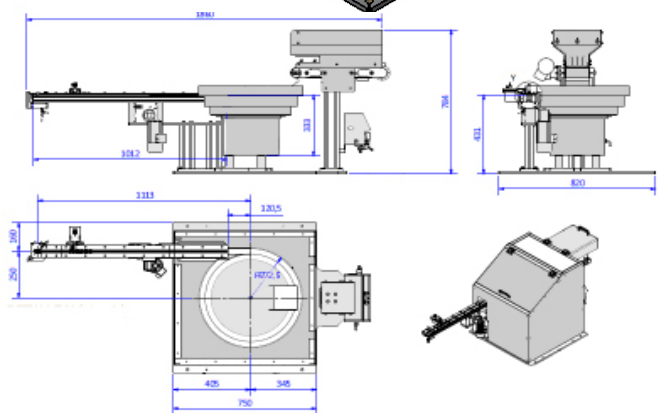
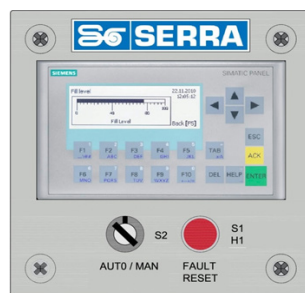
Pick & Place

- Automatic feeding of nuts and bolts.
- Other available geometries :
 - Flat : washers, caps, nuts, covers, ...
 - Volumetric : Swivels, sleeves, bolts, brackets...
 - Long : rods, axis, pipes, tubes, bars...
- Linear transfer composed by two axes X / Y pneumatically operated and adjustable working strokes.
- CNC electric axes on request.
- Optional thirth rotation axis in pneumatic gripper head.
- Pneumatic selection system of last workpiece.
- Pneumatic positioning gripper.
- Takt time control system.
- Integration of several grippers on request.



CONTROL PANEL

Composed by 4,3" HMI touchscreen and EtherNet port. Easy monitoring and control of all machine functions.



TECHNICAL DATA

Power Supply / Frequency	400 V / 50-60 Hz (Others under request)
Takt time (for configuration without 3th axis gripper head)	7s (for 450 mm of horizontal transfer and 120mm vertical)
Hopper capacity	15 liters
Maximum hopper filling admissible weight	50 Kg
Working stroke	800 mm (other strokes on request)
Average workpiece filling range	2 hours (approximately)
Vibration system	Electromagnetic
Workpiece transport to feeding gripper	Conveyor belt
Load type	On top
Protection rating	IP 54
Consumption	1000 VA
Standard PLC	SIEMENS S7 -1200
PNET communication (Inputs/Outputs)	2W / 2W
Serial communication 24 VDC (Inputs/Outputs)	7i / 7o
Weight (estimated, without electric cabinet)	602 Kg

