

# ORBIT - V

PLC Controlled Semi-Automatic PVC Corner and Surface Cleaning Machine (3 Axis)



**PLC Controlled Corner Cleaning Machine Orbit - V is designed for removing the burrs from the plastic profiles after welding.**

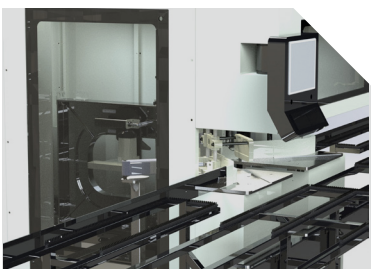
**With two independent cleaning units, the machine can provide perfect cleaning of bottom, top, internal and external surfaces of the profile.**

**Users can save time by easily and quickly entering the program for the profile to be cleaned with the proprietary software of Özçelik.**



**01**

The automatic profile rotation system which is provided as standard equipment allows for cleaning of all 4 corners of the profile without any operator intervention.



**02**

Being aware of the importance of material and time savings, Özçelik project engineers have designed ORBIT - V with a memory capacity of 400 profiles and the ability to manually adjust axial speed in order to allow users to work in the most functional way.

## FEATURES

- » Servo operating system
- » Batch processing and precision measurement
- » Process programming and large memory
- » Automatic profile rotation system
- » Cleaning of bottom, top, internal and external surfaces of the profile by two independent cleaning units
- » PLC control system (LG)
- » Easy programming with manual control system (hand wheel)
- » Memory capacity for 400 profiles
- » Automatic lubrication system
- » Touchscreen control panel
- » Easy and quick entering of the program for the profile to be cleaned with the proprietary software of Özçelik Makina
- » Manual operator adjusted axial speeds

## OPERATIONAL EQUIPMENT

- » Automatic lubrication system ●
- » Touchscreen control panel ●
- » Cleaning program ●
- » Profile memory capacity 400
- » Automatic profile rotation system ●
- » Profile external cleaning saw blade (1 pcs) ●
- » Cleaning blades (6 pcs) ●
- » Cutters (2 pcs) ●
- » Ventilated electrical cabinet ●
- » USB port ●
- » Remote access ●
- » Barcode system ○
- » FRL ●

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## PROCESSABLE UNITS

|   |   |
|---|---|
| With cutter (External profile)  | 1 |
| With 3 top and 3 bottom blades (Upper and lower surfaces and inner profile) | 3 |
| With 1 top and 1 bottom blade (Upper and lower surfaces)                    | 2 |

## POSITIONING SPEED

|                       |          |
|-----------------------|----------|
| X Axis (Longitudinal) | 50 m/min |
| Y Axis (Lateral)      | 40 m/min |
| Z Axis (Vertical)     | 40 m/min |

## CONTROL UNIT (LG)

|                               |   |
|-------------------------------|---|
| PLC control unit              | • |
| USB port                      | • |
| Remote access                 | • |
| Touchscreen control panel     | • |
| Ventilated electrical cabinet | • |

## ELECTRICAL

|           |               |
|-----------|---------------|
| Power     | 10.21 kVA     |
| Voltage   | 400V 3N PE AC |
| Frequency | 50-60Hz       |

## DIMENSIONS

|        |          |
|--------|----------|
| Length | 12747 mm |
| Width  | 5355 mm  |
| Height | 1925 mm  |