



# BVK7-5-3A

AUTOMATIC  
BALANCING MACHINE



## Features:

Fully automatic balancing machine, specifically developed for balancing rotors of brushless motors and similar rotating parts, in a completely automatic way, on two planes (dynamic).

It is composed of: a measuring unit and a milling unit for left and right planes. The parts manipulation is performed by an embedded anthropomorphic robot equipped with double gripper.

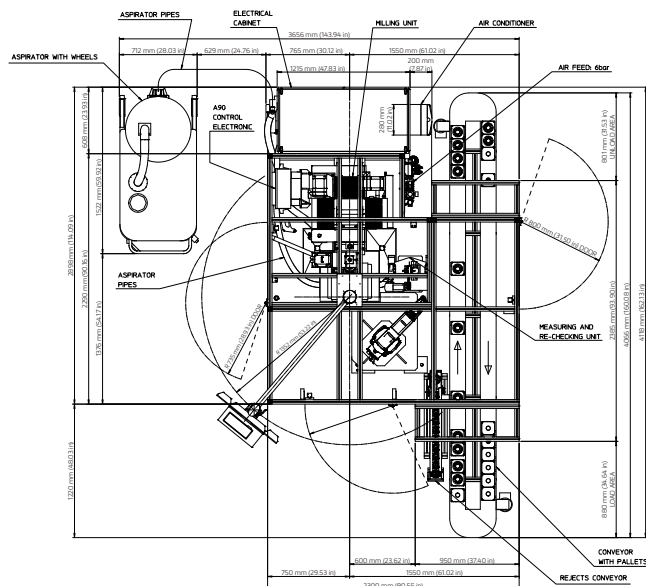
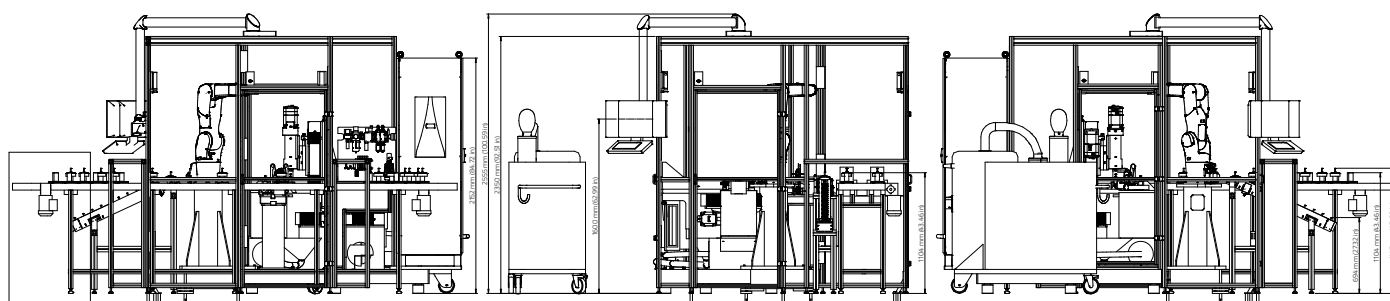
The unbalances are automatically corrected by removing material by radial milling on the outer diameter of the rotor.

It can be implemented in any type of production lines (pallet, step, by loop, etc.).

High level of flexibility and quick production changeover.

## Advantages:

- Automatic set-up
- High level of flexibility
- High level of repeatability and precision of the unbalance measuring
- Diagnostic and preventive maintenance program
- Quick changeover
- High level of reliability
- User friendly



### Technical data

Max disc diameter:	90 mm (3.54 in)
Max disc height:	35 mm (1.38 in)
Max disc weight:	340 g (0.75 lb)
Max machine cycle time:	26 s
Balancing method:	External radial milling
Balancing speed:	Programmable
Min residual unbalance:	2 gmm
Max sensibility:	0,5 gmm/kg
Productivity:	Cmk $\geq$ 1,33
Controlled by:	Industrial PC
Power:	6 kVa
Power supply:	400 V / 50 Hz / 25 A
Machine weight:	2500 kg (5511.56 lb)
Machine dimensions (LxWxH):	2300x4118x2600 mm (90.55x162.13x102.36 in)

### Options

Tele-service
Printer
Industrial vacuum cleaner
SPC / SW
Out of tolerance pieces storage
Master Certificate
Safety protection
Bar-code/data matrix reader



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Distributor:

**Balance Systems S.r.l**  
Via Roberto Ruffilli, 8/10  
20060 Pessano con Bornago  
(Milan) - Italy  
Tel. (+39) 02.9504955  
Fax (+39) 02.9504977  
info@balancesystems.it  
www.balancesystems.com

