

SDM4A-I

SEMI-AUTOMATIC
BALANCING MACHINE



Features:

Semi automatic balancing machine, specifically developed to balance rotors of alternators and similar rotating parts, in a completely automatic way on two planes (dynamic). The unbalances are corrected by removing material by inclined drilling.

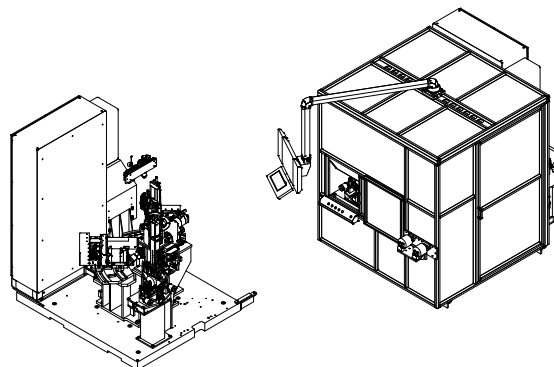
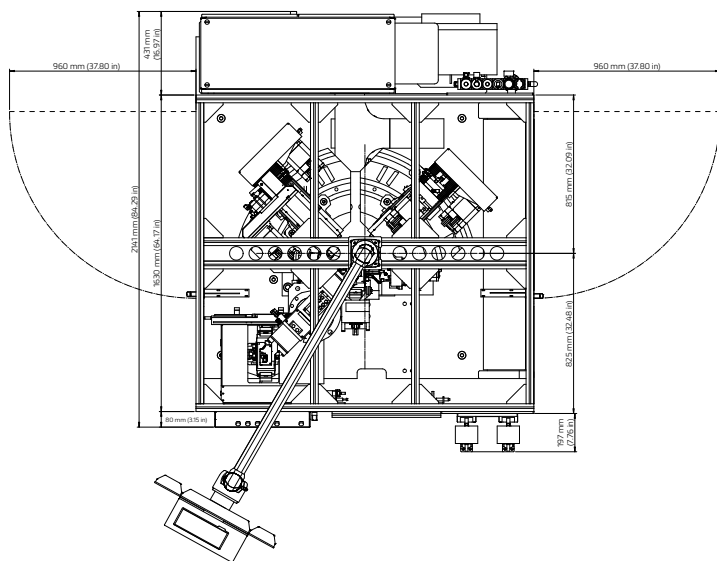
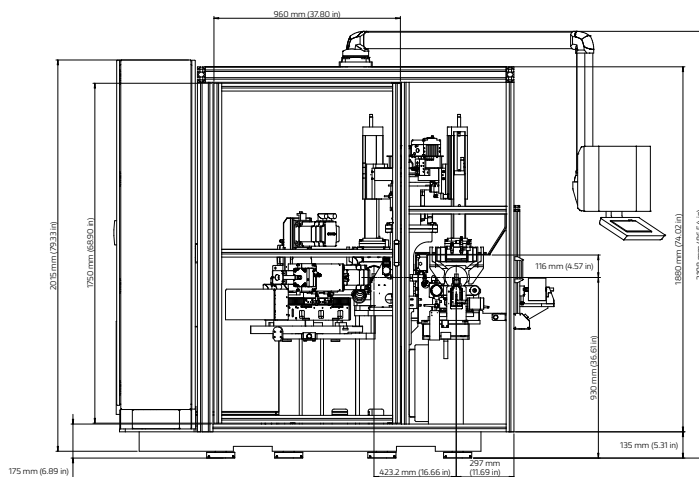
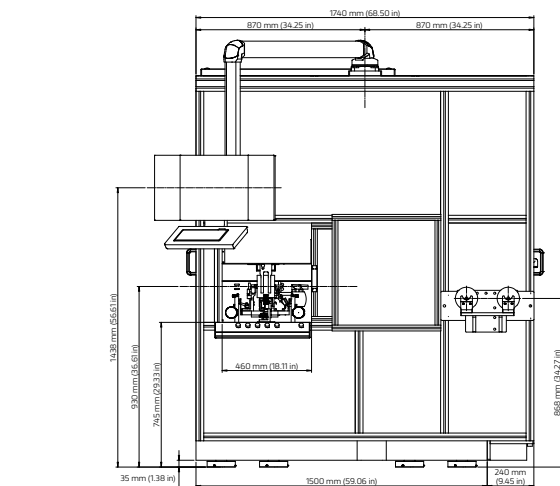
It is composed of: one measuring unit, two drilling units (one for each balancing plane) and rotary table with pneumatic pliers for parts manipulation, from measuring unit to drilling units and vice versa.

Operator interface by industrial PC

High level of flexibility and quick 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 rotor weight	4 kg (8.82 lb)
Rotors diameter	90-115 mm (3.54-4.53 in)
Stack lamination height	40-100 mm (1.57-3.94 in)
Machine cycle time (with two holes at maximum deepness per plane)	20 sec. plus operator handling time
Controlled by	Industrial PC
Measuring precision	0.1gmm/kg max (0.04 oz.in/lb)
Balancing method	Inclined drilling 45° to 60°
Power supply	380V to 480V three-phase 50/60Hz
Machine dimensions (LxWxH)	2150 x 1800 x 2200mm (84.65 x 70.87 x 86.61 in)

Options

Device to balance rotors with ball bearings
Industrial Vacuum cleaner for drilling chips removing
SPC/ SW
Printer
Tele-service
Rejected parts storage



Specifications may be subject to change without notice - © 2016 | 09 | Balance Systems S.r.l.

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