



SERIES RBRQ200X

Balancing Machine for Drive Shafts

ADVANTAGES AT A GLANCE

- ▶ Automatic measuring sequence
- ▶ Simulation of operational conditions through high speed measurement in soft-bearing support pedestals
- ▶ Unbalance correction by welding or drilling
- ▶ High end measurement system CAB 950
- ▶ Proven safety enclosure for drive shaft failure and noise protection

Design

Machine design is ideally suited for balancing vehicle drive shafts. Arrangement of the machine components takes ergonomic requirements into consideration. Automatic correction unit with quadruple weld electrode.

Extremely flat machine base, specially designed for high speed measurement. Isotropically supported pedestals with high precision spindles. Variable speed servo spindle motors are standard equipment.

Range of application

Measurement and correction of unbalance of single and multi-piece drive shafts of passenger cars and light duty commercial vehicles.

Balancing and correction capacity for manufacturing, testing and inspection at vehicle manufacturers and component suppliers plants.

Unbalance correction through spot or projection welding of preformed correction weights using medium frequency technology.

Technical Data

BALANCING OPERATION

- ▶ Semi automatic balancing process
- ▶ Semi automatic weld system
- ▶ Automatic clamp tools

DRIVE SHAFTS

- ▶ Drive shaft weight: [kg] 4 - 40
- ▶ Tube diameter: [mm] 40 - 110
- ▶ Length: [mm] 400 - 3000 (4000)

MACHINE

- ▶ Width: [mm] 6100
- ▶ Depth: [mm] 2500
- ▶ Height: [mm] 1650
- ▶ Spindle speed ¹⁾: [min -1] 2000 - 6000
- ▶ Cycle time ²⁾: [s] 80 - 110
- ▶ Production volume: [pc/h] 30 - 40
- ▶ Power consumption: [kVA] 80 (3 phase, 400 VAC, 50/60 Hz)
- ▶ Air pressure: [bar] 5,5

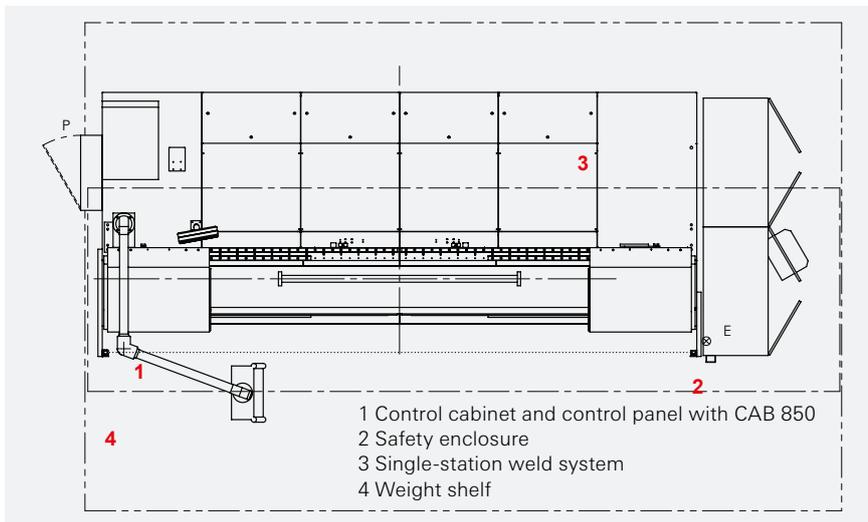
OPTIONS

- ▶ Fully automatic weld correction module
- ▶ Automatic unload system

further options upon request

1) Depending on spindle load

2) Depending on initial unbalance and operator skill



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Measurement system CAB 950



Fully automatic quadropole weld electrode



Pedestal with active clamp tooling