

# The Hydromat HARMONIC 200 *Toolholder Balancer*

Introducing the new tool balancing unit from Hydromat. The Harmonic 200 can make your Hydromat Balanceable Toolholder dynamically stable, by reducing imbalance. The process is really quite simple. Because now you can remove any imperfections from your holder by adding two eccentric rings for counterbalance.

## **BALANCED TOOLHOLDER ADVANTAGES:**

- Reduced vibrations
- Extended spindle and bearing life
- Improved surface finish of machined parts
- Extended Cutting Tool life
- Improved machining process
- Increased life span machine components



**ACCELERATING THE PACE OF PRODUCTIVITY**



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## A BALANCE OF PERFORMANCE FEATURES

- Compact, fully-functional unit goes from box to bench with no foundation necessary.
- Balances by material subtraction or addition, fixed position or use of rings.
- Displays DIN quality level or remaining imbalance in gmm
- Allows for removal of 95% of imbalance
- Positions automatically via laser pointer
- V24/RS 232 interface integrated
- User-friendly menu allows for ease of operation
- Can be supplied with any adapters
- Auto-stop feature on electric motor triggers when protective cover is opened
- Prints balanceable certificates (optional printer required)
- Pneumatic system included
- Downloadable data sets
- Touch screen controls
- Adjustable resolution settings

### TECHNICAL DATA

|                                |                              |
|--------------------------------|------------------------------|
| Power connection.....          | 115 / 230 V, 50/60 Hz        |
| Power consumption.....         | Approx. 100W                 |
| Balancing planes.....          | 2                            |
| Maximum rotor diameter.....    | 9.1 in. (230 mm)             |
| Weight range.....              | 0.44-26.4 lbs. (0.2 - 12 kg) |
| Balancing speed.....           | 500 - 2500 rpm               |
| Spindle holder.....            | 50 mm dia. for adapter       |
| Imbalance reduction ratio..... | > 95%                        |
| Imbalance display.....         | mm/s, um or gmm              |
| Laser positioning aid.....     | +/- 1 degree                 |
| Language.....                  | Selectable (Eng / Ger / Fre) |
| Protective cover.....          | Electronically locked        |
| Height w/protective cover..... | 25.2 in. (640 mm)            |
| Weight of machine.....         | 77 lbs. (35 kg)              |

### BALANCE IN 5 EASY STEPS

1. Set toolholder in unit without presetting rings
2. Run unit cycle
3. Enter ring positions
4. Set balancing rings, based on display readout
5. Run balancing check

