

REISHAUER

Gear Grinding Technology

Reishauer ErgoMount



MACHINE

AUTOMATION

TOOLING

TECHNOLOGY

DIGITAL

SERVICES

Wheel Mounting Cart



Wheel Mounting Cart ErgoMount

The Reishauer wheel mounting cart, ErgoMount, enables the machine operator to ergonomically and safely change grinding wheels and clamping tool arbours up to a weight of 40 kg. The unit has been designed for the RZx60 gear grinding machine series. It allows the direct mounting of a grinding wheel on the main spindle without any additional tools.

Thanks to the well-thought-out fast-changeover system and the relevant load-bearing elements, the changeover between the setups for grinding wheels and clamping arbours is done in next to no time.



The electrical lifting axis is controlled by a joystick and makes for comfortable operation. There are storage locations for two grinding wheels and up to three clamping arbours. Furthermore, a generously dimensioned tooling drawer and the integrated grinding wheel setup device turn the ErgoMount into a convenient helper in every production environment.

Highlights:

- Complies with all relevant machine and working guidelines
- Fast and safe changing of grinding wheels and workpiece clamping arbours
- Integrated grinding wheel setup device, pivotable by 90°
- Fast-changeover system with ball lock pin
- Clear layout of operating elements and readout instruments
- Storage positions for two grinding wheel and 3 clamping arbours
- Generously dimensioned and lockable tooling drawer
- Excellent manoeuvrability
- Compact design

Technical Data

The ErgoMount setup cart complies with the following guidelines and regulations:

- Machine guideline 2006/42/EG
- EN ISO 12100:2010, Safety of machinery – General principles for design – Risk assessment and risk reduction (ISO 12100:2010)
- EN 14238:2004+A1:2009, Cranes – Manually controlled load manipulating devices
- EN 13155:2003+A2:2009; Cranes Safety – Non-fixed load lifting attachments

ErgoMount has been solely designed for industrial usage, and it is restricted to the lifting and moving of grinding tools and clamping tools for the setup of Reishauer gear grinding machines of the RZx60 (for other machine types, please contact Reishauer).



Dimensions

Length	1010 mm
Width	675 mm
Height (swivel arm extended)	1530 mm
Height (swivel arm retracted)	1180 mm
Lifting range, max.	350 mm
Swivel radius, max.	1200 mm

Weights

Unladen weight of cart	380 kg
Load, max.	220 kg
Load on swivel arm, max.	40 kg

Storage positions

Grinding wheel flanges	2 off
Clamping tools arbours	3 off

Electrical Connections

Connection voltage AC / frequency	230 V / 50 Hz or 115 V / 60 HZ
IP protection category (low voltage plug for Switzerland and EU area)	IP44
IP protection category (low voltage plug for China)	IP20
Acceptable voltage tolerance	±10 %
Nominal power rating, max.	0.8 kVA
Control voltage	24 V
Fuse	10 A
IP protection category of unit	IP55

Colours

RAL colour	RAL 9010
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Reishauer reserves the right to make changes to the technical specifications.

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