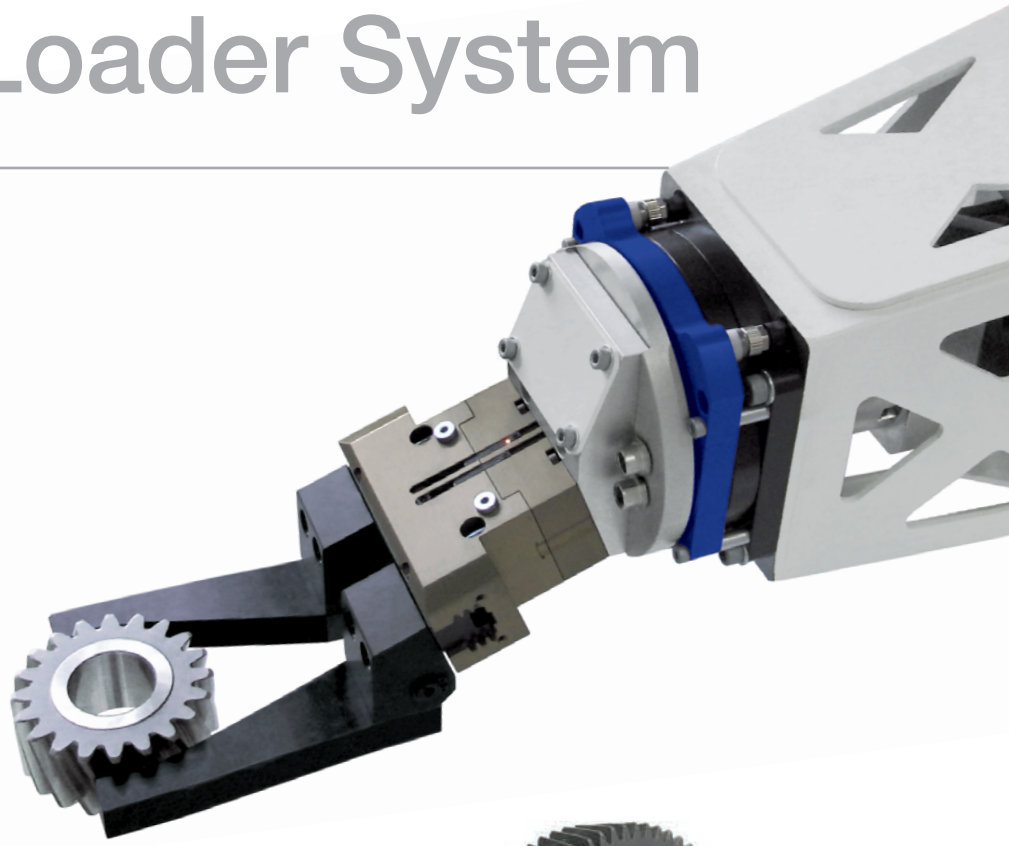


## Part Loader System



# A firm grip with one part loader...

**Reishauer's RZx60 high performance gear grinding machines are known for their high production output. These machines often work in multiple shifts, at times up to seven days a week. The new part loader, tailor-made for and fine-tuned to the RZx60 machine family, allows the user to utilise the full productivity potential of the Reishauer machine tool.**

Additionally, the compact loader offers the user a new degree of freedom: it can deal effectively with disk or shaft types of gear parts, from small planet gears to heavy duty final drive gears. The loader's high flexibility ensures that users can quickly respond to future production requirements. Whatever the parts that have to be ground in future on RZx60 machines, the Reishauer loader is ready for them.

This user-friendly loader can be easily set-up and configured for new gear parts. The modular design offers a large range of customer specific solutions, among them, pre- and post-process measurements of gear parts, SPC, oil centrifuging, deburring with rotary brushes and laser marking.



## **User-friendliness**

Easy access to part loader and grinding machine tool. Automatic centering of the gripper to the gear part position.

## **Energy efficiency**

Economical due to the small mass of the drive system and the recuperation of the kinetic energy. Only minimal pneumatics are required.

## **Reliability**

A surprisingly simple drive system of two fixed motors ensures trouble-free long-term operation.

for all RZx60 ground parts



**modular**

**flexible**

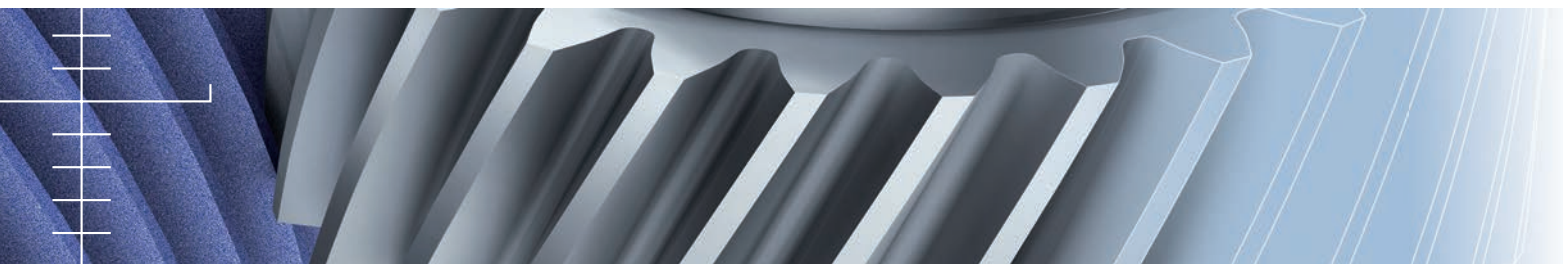
**user-friendly**

**reliable**

**accurate in positioning**

**energy efficient**

**productive**



whether gear shafts, planet, ring



**Modularity**

Loader concept allows adaptations to new gear parts.

**Flexibility**

Suited to all workpiece geometries, independent of part feeding and part orientation.

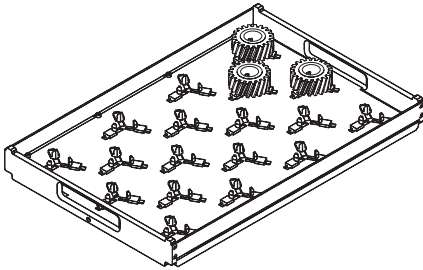
**Positioning accuracy**

Protects the machine's fixturing tools and increases their service life.

**High productivity**

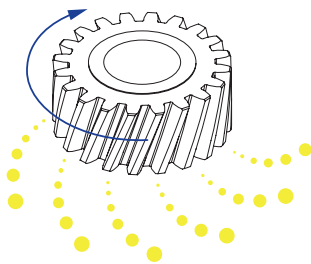
Geared to cope with the fast grinding cycles of the RZx60 family of machine tools.

# or final drive gears



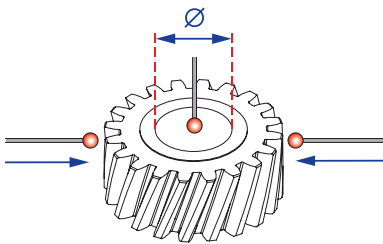
## Part storage

Whether conveyor belt, single tray or stack of trays, the Reishauer part loader can cope with any part feeding system.



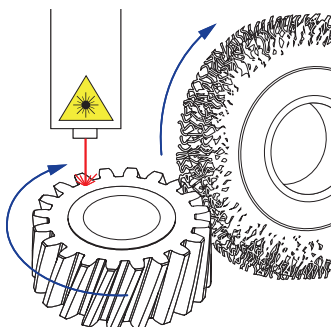
## Statistical process control and oil centrifuge

Statistical process control and an oil centrifuge are standard options. The oil centrifuge ensures that the loader hands over drip-free parts for further processing.



## Pre- and post-measurements

Depending on requirements, the loader can be fitted with a measuring unit, among other options, for gauging the bores of gears to be ground. This ensures that parts with undersize bores are removed and cannot damage clamping fixtures. Moreover, after grinding the gears, the over balls measurement could be taken with an optional measuring unit.



## Pre-process and post-process options

Depending on requirements, additional options are feasible. For example, parts could be laser marked or deburred with rotary brushes.

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# REISHAUER

Gear Grinding Technology