

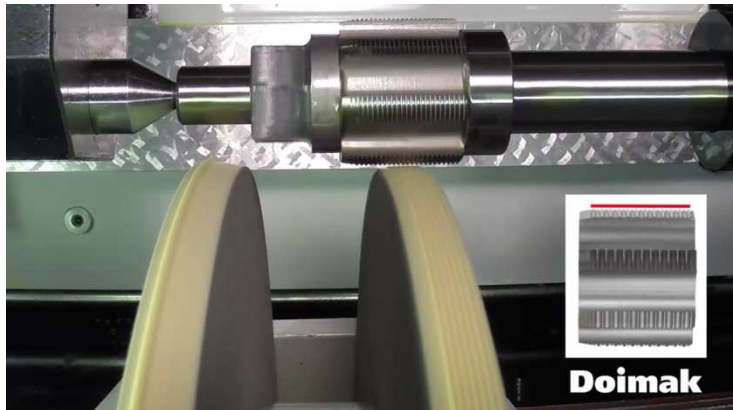
## T A P - Grinding Machine



**RER 500 SL** Grinding Machine

## Miscellaneous

- Flexible machining center with fast adaptation to new part setting.
- Wheel dressing by means of contour dresser or form roll dresser.
- Direct drive technology for an efficient dynamic response and smooth operation.
- High speed work-head and wheel-head ready for CBN grinding tools.
- Probing sensor for part pre-setting and basic geometrical verification: pitch, diameter, cylindricity



## Customized grinding technology

RER 500 SL stands out due to its quick adaptability to the requirements of the new part / tap to be ground.

Easy and intuitive programming by means of DoiMASK software. Single or multiple profiles can be generated on the wheel for optimizing grinding cycle times. User can also enter custom profiles by DXF files.

There're available software and hardware options that will enrich the grinding experience, adapting DOIMAK RER 500 SL to your specific requirements:

- Monitoring systems alerting of excessive or too low tool contact.
- Specific cycles for alternate tooth chamfering.
- Grinding of pitch 0 shapes.
- Aid for wheel load/unloading.



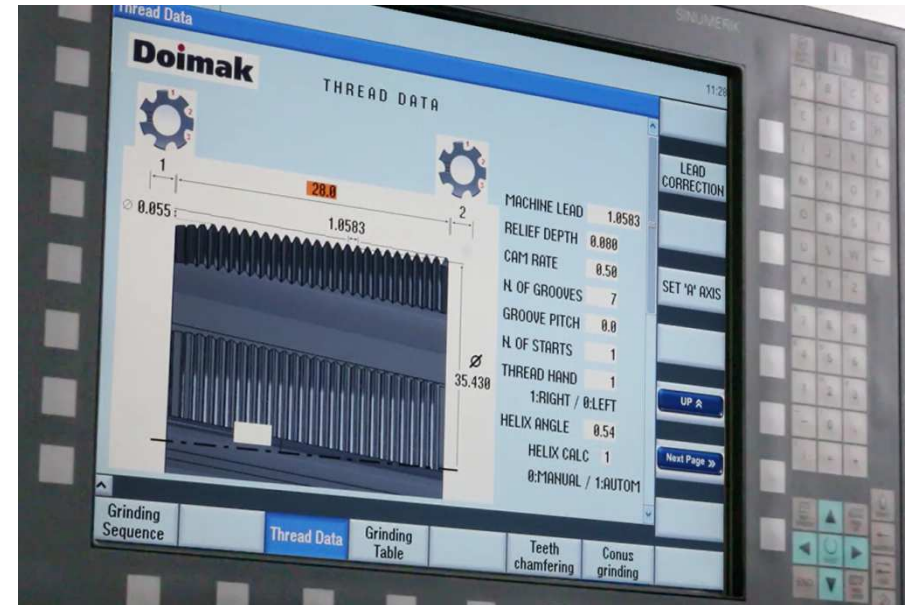
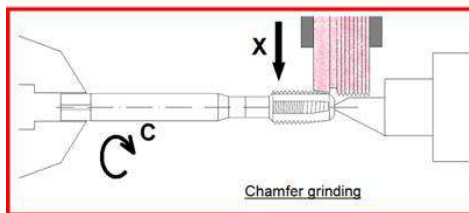
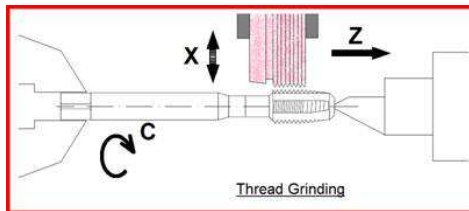
## Technical data

### Main dimensions:

|                        |                         |
|------------------------|-------------------------|
| Length between centers | 650 mm                  |
| Height of centers      | 200 mm                  |
| Part max. diameter     | 300 mm                  |
| Lead angle             | ±30°                    |
| Part max. weight       | 100 kg                  |
| Machine dimensions     | L: 3400 W: 1950 H: 2000 |
| Machine Total weight   | 8.500 kg                |

### Transversal (X) slide:

|                         |                              |
|-------------------------|------------------------------|
| Maximum travel          | 350 mm                       |
| Maximum speed           | 6.000 mm/min – 20.000 mm/min |
| Linear scale resolution | 0,0001 mm                    |



### Wheel-head specification:

|                         |                           |
|-------------------------|---------------------------|
| Grinding wheel diameter | 400mm                     |
| Grinding wheel width    | 10 to 60 mm               |
| Motor power             | 24 kW                     |
| Max. speed              | 5.000 rpm                 |
| Motor type              | Built-in synchronous type |
| Max. Peripheral speed   | 120 m/s                   |