

BRITISH // EDITION 3

# RUD MOULD HANDLING SOLUTIONS

## PROFESSIONAL & PROGRESSIVE



Figures may differ from  
the standard version.

### POWERFUL IN ANY ENVIRONMENT

- ✓ Turning tools & moulds in seconds
- ✓ Easy, safe, & ergonomic operation
- ✓ For different types and sizes of moulds



# WELCOME TO THE WORLD OF RUD MOULD HANDLING SOLUTIONS

## 3 Machines – 3 Milestones – 3 Innovations

Our goals: Process optimisation, increasing occupational safety as well as improving the ergonomics of your employees.

For 10 years, RUD MOULD HANDLING SOLUTIONS has been revolutionising mould handling in the injection moulding industry. The **RUD TECDOS TMB**, a 2-in-1 combination of industrial workbench and turnover device is operated using a cordless screwdriver. On the RUD TECDOS TMB moulds and tools weighing up to 2.5 tons can be efficiently turned and serviced. The low weight and its compact form save much space. The industrial workbench can be transported easily with a lift truck.

When it gets heavier, the **RUD TECDOS TM** can convince. Problem-free turning of tools and moulds weighing up to 64 tons is guaranteed by the RUD TECDOS TM series. In its professional and progressive generation, the innovative turning device offers the user a narrow table at an absolutely low working height and enables efficient and process optimised turning at the push of a button in less than one minute.

Additionally, the RUD TECDOS TS offers the ideal complement for separating and closing injection moulds weighing several tons. At the push of a button, tools can be separated and closed quickly, safely, and easily with the **RUD TECDOS TS**. Ergonomic working is guaranteed due to the ideal working height.

RUD MOULD HANDLING SOLUTIONS enables precise, uncomplicated, and progressive work. The advantages are convincing! Efficient handling of tools and moulds. Time-saving turning and opening process at the push of a button. Avoidance of damage to moulds, machines and other equipment.

## Can be used in a huge variety of manufacturing sectors:

Automotive | Medical technology | Consumer goods | Plastics mechanical engineering |  
Operating technology | Electrical/electronics manufacturing | Packaging industry



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## RUD MOULD HANDLING SOLUTIONS in use:





# 1. RUD TECDOS TMB

INDUSTRIAL WORKBENCH WITH TURNOVER DEVICE

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## 1.1 ADVANTAGES



- Suitable for injection moulds up to 2.5 tons
- Injection moulds can be turned up to 90 degrees in their centre of gravity
- Continuous guided and controlled movement of moulds without the use of electrical, pneumatic, or hydraulic energy
- Increased safety at work due to the handling with a cordless screwdriver
- Ergonomic working on injection moulds due to adapted table height
- Maintenance, assembly, or disassembly on the surface of the TECDOS TMB
- Optimisation of mould handling processes by shortening handling times and the time an operator spends on the job
- Direct turning process without time-consuming disassembly of tubes, connections, and other components
- Avoidance of damage to injection moulds, machines, and infrastructure

# 1. RUD TECDOS TMB

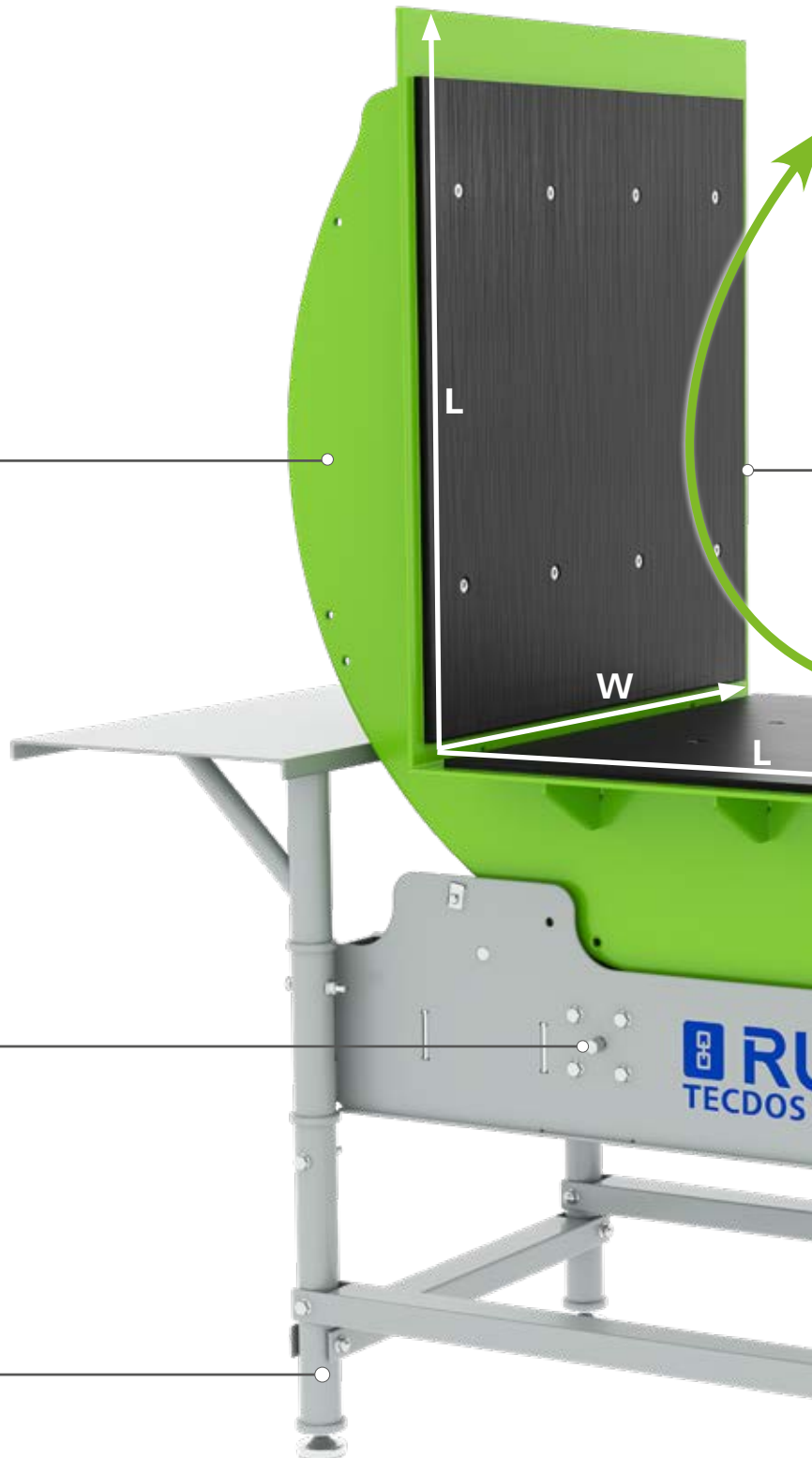
## 1.2 CONSTRUCTION AND DIMENSIONS

Safety for  
man and  
machine

For **flexible and safe working**, the turning device can be held in any swivelled position.

The drive is carried out by means of a **cordless screwdriver**. Therefore, no use of electrical, pneumatic or hydraulic power is necessary.

Easy **movable** via forklift.



Type	Tabletop		Table top height	Load-bearing capacity	Weight approx.	Included accessories
	W (mm)	L (mm)	in mm	in kg	in kg	
TMB 08/08-2,5 Basic	800	800	860 + 5	2,500	270	-
TMB 08/08-2,5 Expert	800	800	860 + 5	2,500	310	storage surface; PE-Plate

### Tabletop

Additional: PE plates for damping and increasing safety.



### Storage surface

400 mm x 800 mm

For easy storage of your accessories and tools.  
(optional)

Thanks to its **adjustable height**, the TECDOS TMB, can be easily integrated into existing workshop processes.



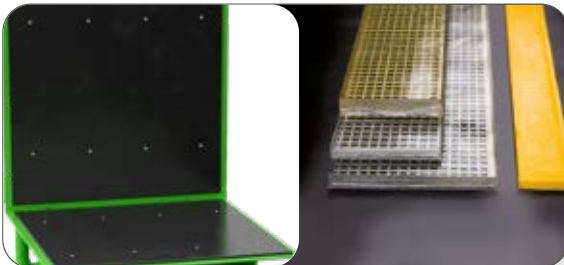
# 1. RUD TECDOS TMB

## 1.3 OPTIONAL COMPONENTS



### RUD TECDOS TMB storage surfaces

- Lateral storage surfaces
- For easy storage of your accessories
- Makes it easier to work and mount moulds and tools on the TECDOS TMB



### RUD TECDOS TMB platforms

- Polyethylene table plate
- Steel mesh/polyurethane anti-slip plate
- With adjustable recesses



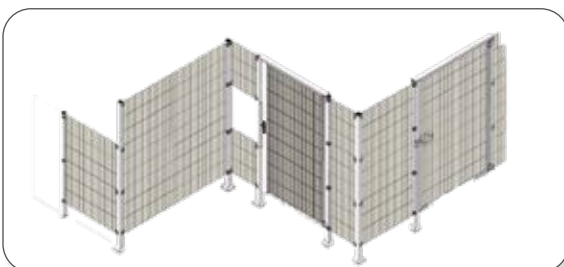
### RUD TECDOS TMB drawer

- High-quality drawer
- Storage of accessories
- Required accessories and tools are always within reach



### RUD TECDOS TMB screwdriver

- Cordless screwdriver for uncomplicated driving of the TECDOS TMB
- Cordless screwdriver makes handling TECDOS TMB easy



### RUD TECDOS TMB protective fence

- Total protection of the operator and the TECDOS TMB





RUD TECDOS TMB

Hotline:

**+49 7361 504 1457**

You will find more  
information about the  
RUD MOULD HANDLING  
product portfolio at:

[www.mouldhandling.rud.com](http://www.mouldhandling.rud.com)



## 2. RUD TECDOS TM

TURNING TABLE

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## 2.1 ADVANTAGES



- Suitable for injection moulds up to 64 tons
- Injection moulds can be turned up to 90 degrees in their centre of gravity
- Continuous guided and controlled movement of moulds
- Frequency-controlled drive ensures soft start-up and stopping
- Increased safety at work due to turning process at the push of a button
- Ergonomic working on injection moulds due to low table height
- Low support surface guarantees maintenance, assembly, or disassembly directly on the platform of the TECDOS TM
- Optimisation of mould handling processes by shortening handling times and the time an operator needs to be on the job
- Direct turning process without time-consuming disassembly of tubes, connections, and other components
- Avoidance of damage to injection moulds, machines, and infrastructure
- Digital twin in the RUD COCKPIT for digital visualisation of machine performance\*

\*Standard for RUD TECDOS TM from 16 t load bearing capacity.

## 2. RUD TECDOS TM

### 2.2 CONSTRUCTION AND DIMENSIONS

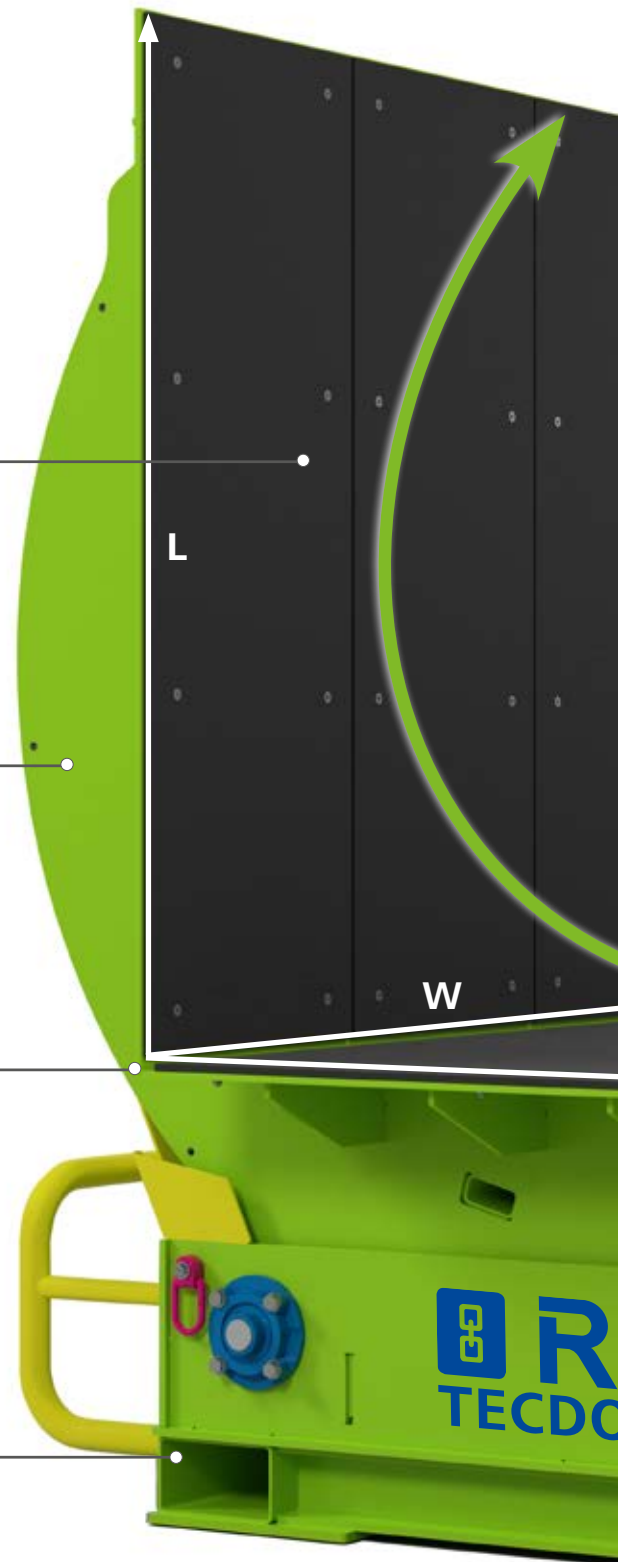
#### Tabletop

Optional: PE plates for damping and increasing safety

**Safe turning** by avoiding a tipping point

The **low table height** allows maintenance of your mould directly on the TECDOS TM

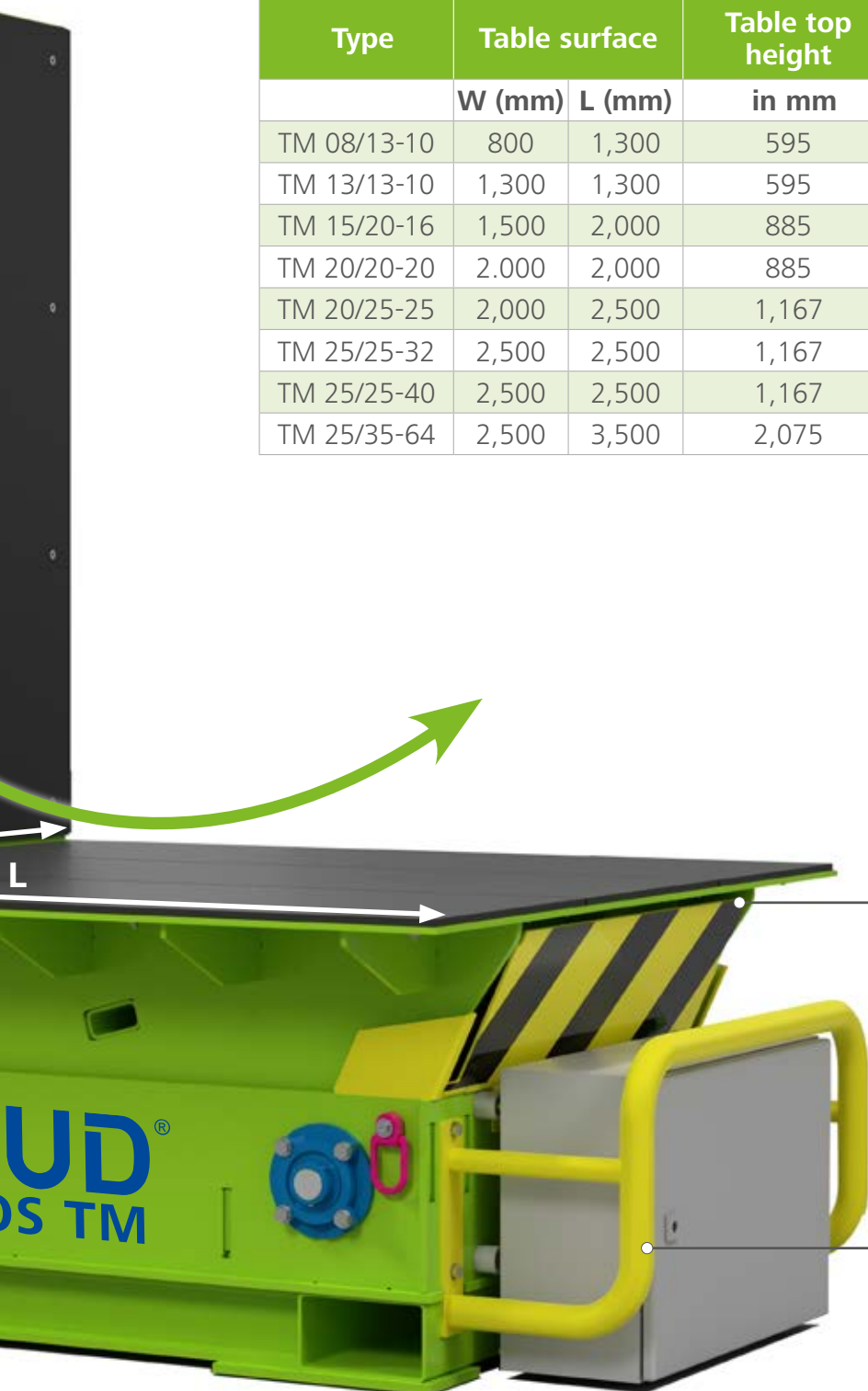
**Easy movable** via crane or forklift





Type	Table surface		Table top height	Load-bearing capacity	Approx. unit weight
	W (mm)	L (mm)	in mm	in kg	in kg
TM 08/13-10	800	1,300	595	10,000	1,050
TM 13/13-10	1,300	1,300	595	10,000	1,150
TM 15/20-16	1,500	2,000	885	16,000	3,700
TM 20/20-20	2,000	2,000	885	20,000	4,000
TM 20/25-25	2,000	2,500	1,167	25,000	8,000
TM 25/25-32	2,500	2,500	1,167	32,000	8,000
TM 25/25-40	2,500	2,500	1,167	40,000	8,000
TM 25/35-64	2,500	3,500	2,075	64,000	17,000

Other sizes on request.



**Contact protection**  
(optional)

**Guard bracket**  
(optional)

## 2. RUD TECDOS TM

### 2.3 OPTIONAL COMPONENTS



#### **RUD TECDOS TM guard bracket**

Hoop design provides distance protection for the operator

- For the front zone
- For the rear zone



#### **RUD TECDOS TM contact protection**

- Protective guard, yellow/black
- Protects operators from reaching into the danger zone
- Protects against crushing hazards



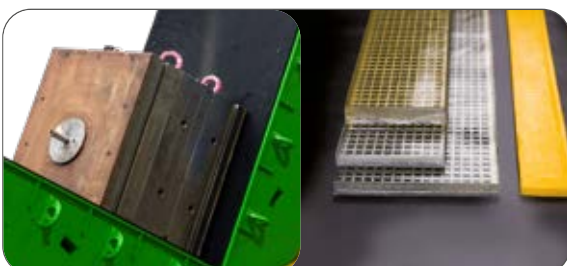
#### **RUD attachment points**

- RUD VLBG-Plus load ring
- Optimised load-bearing capacity: captive exchangeable attachment points
- Bracket adjustable in direction of force



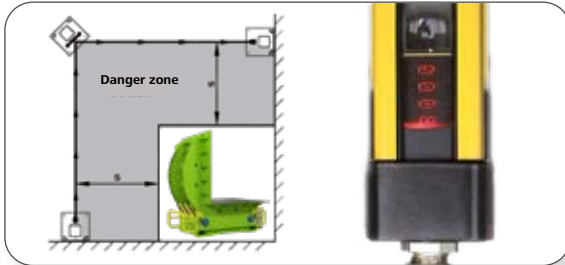
#### **RUD TECDOS TM operator devices**

- Standard: Two-hand operator device
- Optional: Radio control system
- Can be operated safely outside the danger zone



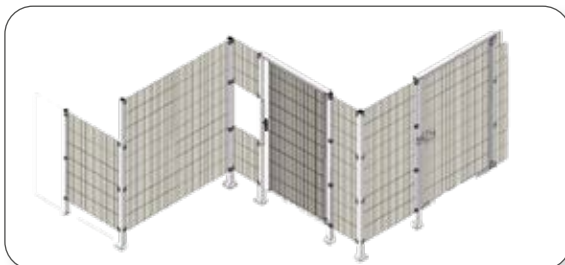
#### **RUD TECDOS TM plate**

- Polyethylene table plate
- Steel mesh/polyurethane anti-slip plate
- With adjustable recesses



### RUD TECDOS TM light curtain

- Stops inadvertent or unauthorised entry to the danger zone
- Protects operators at or near the TECDOS TM



### RUD TECDOS TM protective fence

- Complete protection of the operator and the TECDOS TM
- An alternative to the light curtain – can also be installed together



### RUD TECDOS TM working platform

- For attaching attachment points and lashings safely
- Custom working platform configurations
- Stationary safety enclosures or mobile working platforms available



### RUD TECDOS TM

Hotline:

**+49 7361 504 1457**

You will find more information about the RUD MOULD HANDLING product portfolio at:  
[www.mouldhandling.rud.com](http://www.mouldhandling.rud.com)





### 3. RUD TECDOS TS

TOOL SEPARATOR





## 3.1 ADVANTAGES



- Suitable for injection moulds up to 10 tons
- Smooth opening and precise closing of mould halves
- Continuous guided and controlled movement of mould halves
- Increased safety at work due to opening and closing process at the push of a button
- Ergonomic maintenance of injection moulds due to low sliding surface
- Optimisation of mould handling processes by shortening handling times and the time an operator needs to be on the job
- Direct opening and closing without time-consuming disassembly of tubes, connections, and other components
- Less downtime due to maintenance work
- Avoidance of damage to injection moulds, machines, and infrastructure
- Digital twin in the RUD COCKPIT for digital visualisation of machine performance

# 3. RUD TECDOS TS

## 3.2 CONSTRUCTION AND DIMENSIONS

Safe and time-saving opening and closing of mould halves at the touch of a button.

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**Mounting plates** for fixing the moulds enable precise opening and closing of the mould halves.

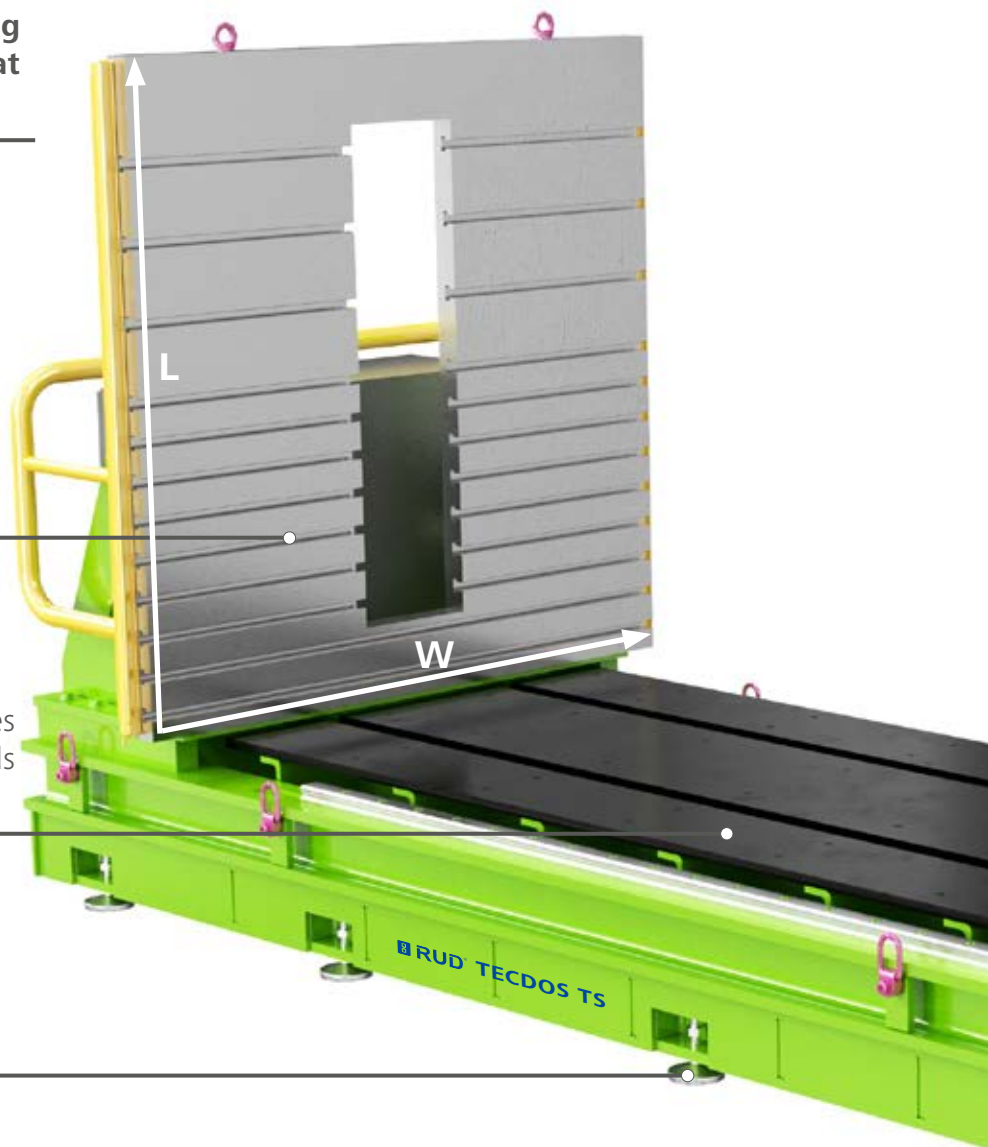
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The **sliding surface** enables ergonomic maintenance of moulds directly on the TECDOS TS.

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**Levelling feet**

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Type	Mounting plate		Clear span	Table top height	Load-bearing capacity	Approx. unit weight
	W (mm)	L (mm)	in mm	in mm	in kg	in kg
TS 13/19-10	1,300	1,300	1,900	380	10,000	3,586



**Warning light**  
(visual and acoustic signal)

**Safety light curtain**  
(optional)

**Guard brackets**  
(optional)

## 3. RUD TECDOS TS

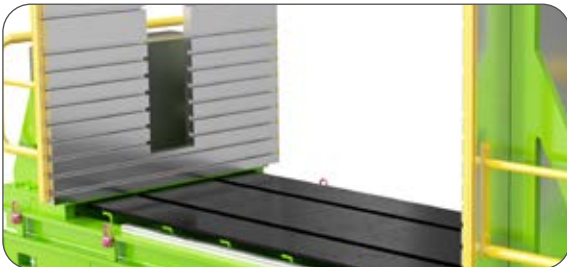
### 3.3 OPTIONAL COMPONENTS



#### **RUD TECDOS TS guard bracket**

Hoop design provides distance protection for the operator

- For the front zone
- For the rear zone



#### **RUD TECDOS TS mounting plate**

- For easy tool attachment
- Other mounting plates are optionally available



#### **RUD TECDOS TS operator devices**

- Two-hand operator device
- Radio control system
- Safe operation outside the danger zone



#### **RUD TECDOS TS sliding surface**

- The sliding surface makes it easy to separate and close the tool halves
- UHD PE plates
- Replaceable sliding plates



#### **RUD attachment points**

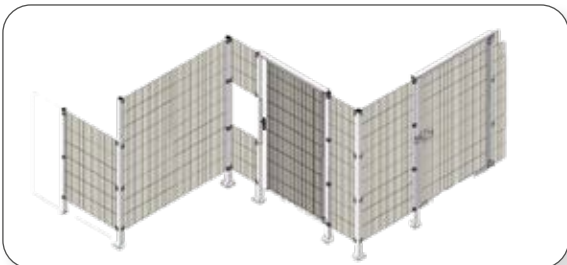
- RUD VLBG-Plus load ring
- Optimised load-bearing capacity: captive exchangeable attachment points
- Bracket adjustable in direction of force





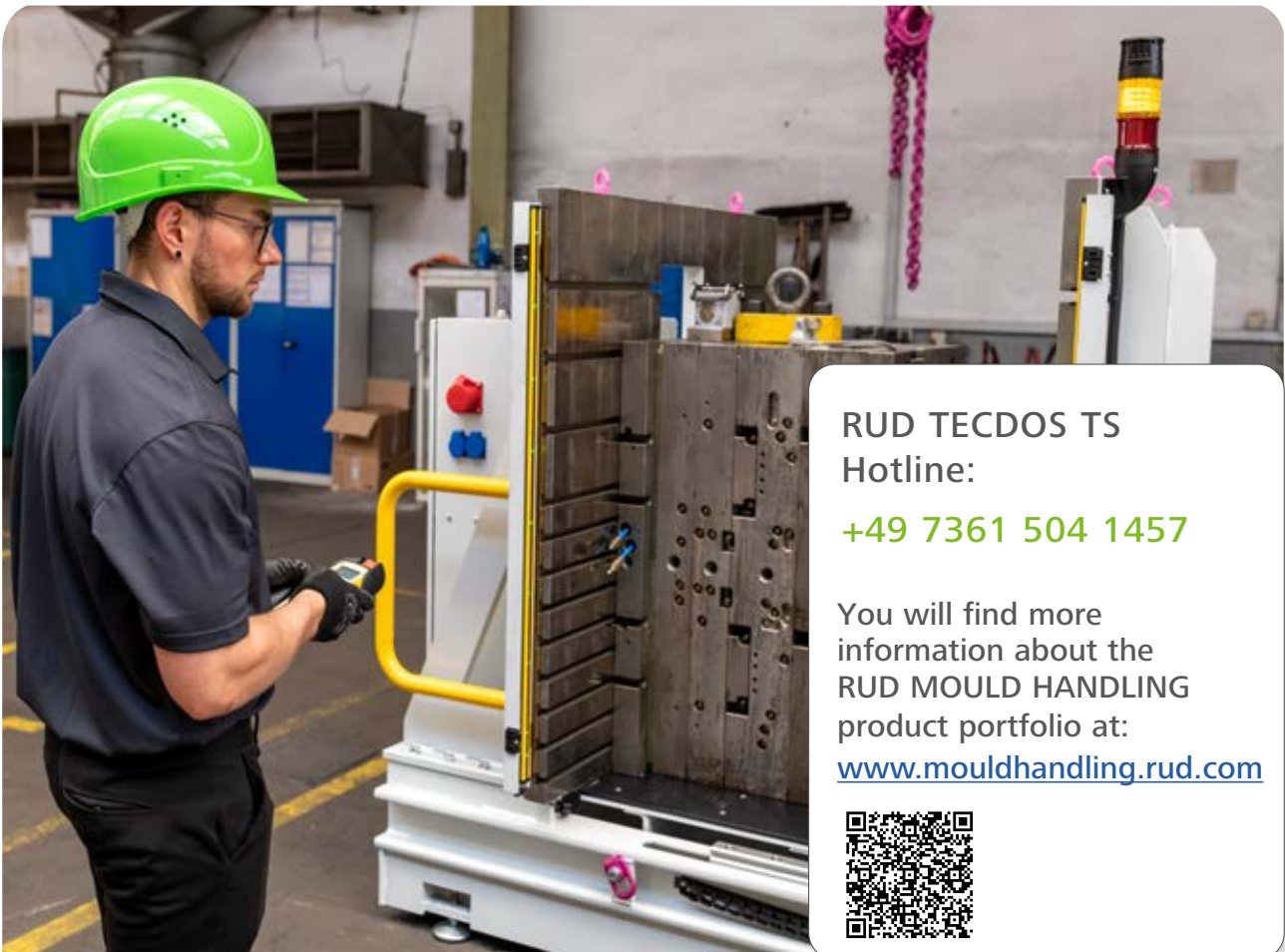
### **RUD TECDOS TS light curtain**

- Stops unauthorised or inadvertent entry to the danger zone
- Protects operators at or near the TECDOS TS



### **RUD TECDOS TS protective fence**

- Complete protection of the operator and the TECDOS TS
- An alternative to the light curtain – can also be installed together



### **RUD TECDOS TS**

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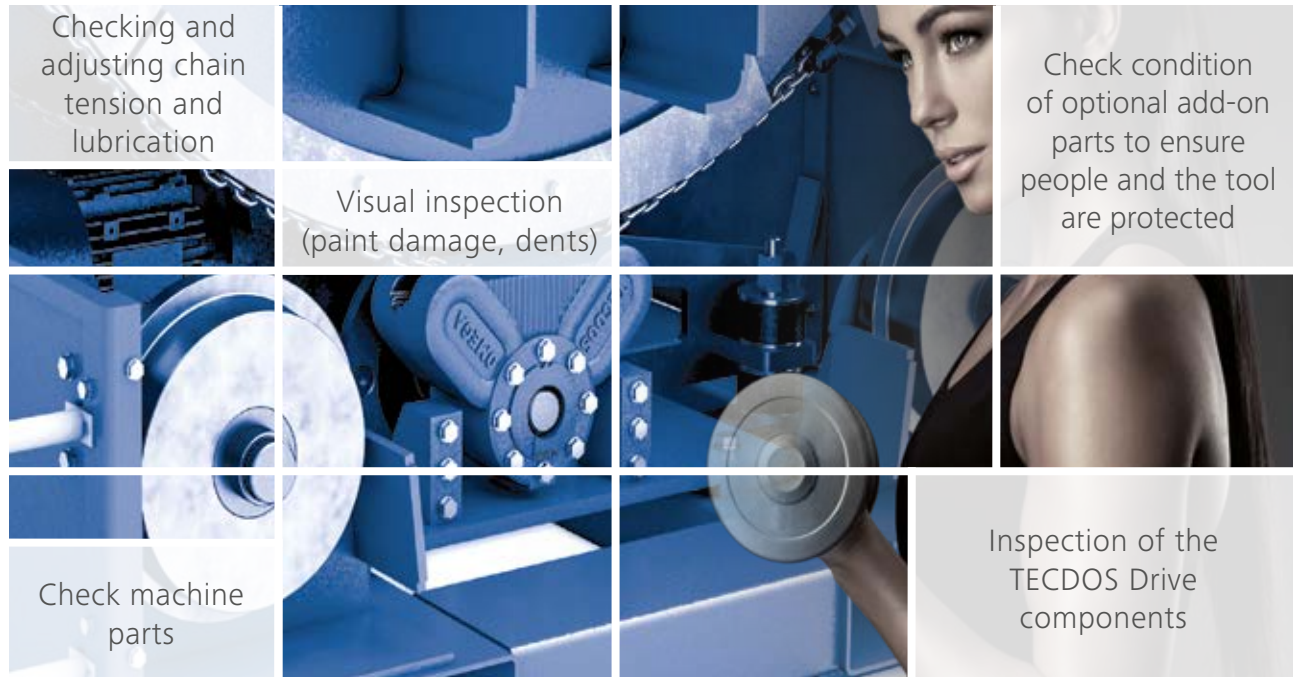
## 4. SERVICE CONCEPT

Service no.:

+49 7361- 504 1457

Mail: [mouldhandling@rud.com](mailto:mouldhandling@rud.com)

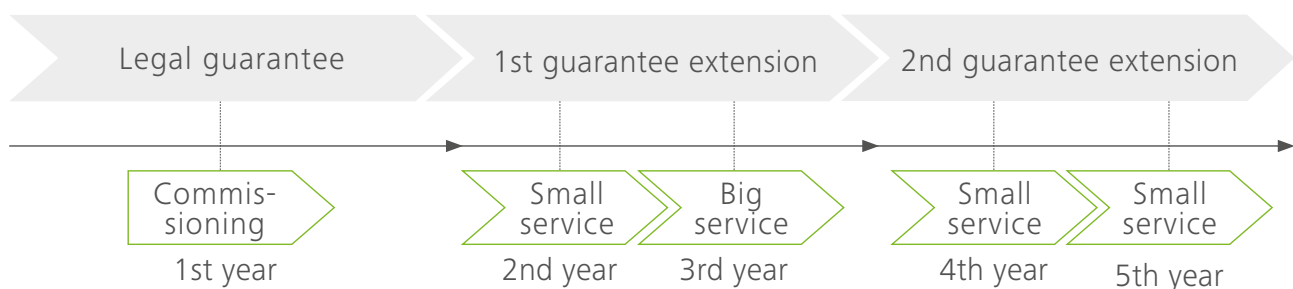
### Scope of service



### Service



### Guarantee



## 5. ERGONOMIC AND SAFE

### Ergonomic work

Injection-formed tools and moulds weighing several tons can be turned, opened, and closed safely, economically, and quickly, using RUD MOULD HANDLING SOLUTIONS. Handling heavy, easily damaged tools is made easier, protecting your staff in industrial workplaces and helping prevent serious damage to joints and backs.

### Safe work

Normal turning and rotating as well as opening and closing operations conceal enormous risks for the operator. Not only can handling them cause damage to expensive moulds if they are not pulled in a straight line, but the health of staff can also be put at risk. Using RUD MOULD HANDLING SOLUTIONS guarantees that all kind of objects, no matter what shape, can be moved easily and safely.



**SAVING A LIFE IS PRICELESS**



## RUD Conveyor & Drives



### RUD MOULD HANDLING SOLUTIONS

Cool moves for heavy tools and moulds: Handling moulds has never been so safe, efficient as well as budget- and processoptimised as with the RUD TECDOS TMB, the RUD TECDOS TM, and the RUD TECDOS TS.



### RUD TECDOS drive technology

The RUD TECDOS team develops and produces drive solutions for rotating, lifting, moving or telescoping. In addition to the components range, TECDOS OMEGA and PI-GAMMA drives are also available as complete system drives.



### RUD conveyor technology

Combinable components and individual parts for conveyor technology, conveyor systems, and mining. RUD offers you perfectly coordinated systems and components for horizontal, vertical, and ascending conveyors.



### RUD industrial chains

RUD components are the first choice worldwide for leading hoisting equipment manufacturers. We also offer a wide range of round link chains for different industries and areas, such as food, fishing, and awnings.