

# SCHMIDT® Rotary indexing systems

## For efficient production

**SCHMIDT® rotary indexing systems** are the basis for an economic rationalization. All **SCHMIDT® press types** can be integrated in a rotary indexing system. Mostly, the machines are designed for manual loading. The machine designs are as varied as the requirements. Depending on the requirements of the customer, an individual design is planned.

### Rotary indexing systems with automatically rotary indexing plate

The press base PU10 with mounted, ground plate serves as the platform. Press and rotary indexing table are aligned and pinned together. The indexer table resist safely the occurring forces. The switch cabinet and the operating elements are defined according to requirements.

Typically, other systems, such as a second press, automatic parts feeder or automatic parts ejector, are integrated. Optionally, receptacles and tools are delivered.



#### Electromechanical rotary indexing table

|                       |   |
|-----------------------|---|
| Types                 | Several drive sizes are available depending on the weight of the component or the diameter of the rotary table. |
| Divisions             | 2, 3, 4, 6, 8, 10, 12, 16, 20, 24, other divisions on request   |
| Direction of rotation | Every rotary table can either be indexed to the left or to the right.   |
| Brake                 | Auto-adjusting  |

#### NC rotary table

|                                  |   |
|----------------------------------|---|
| Types                            | Several drive sizes are available depending on the weight of the component or the diameter of the rotary table. |
| Divisions, direction of rotation | Freely programmable   |

#### Indexing plate

|                                |  |
|--------------------------------|--|
| Diameter of the indexing plate | Standard: Diameter 520 mm or other diameters up to 1200 mm also possible depending on the requirements |
| Drill pattern in pitch circle  | Standard: Fit bore 20 H7, or drill pattern in consultation with the customer.                          |
| Material                       | Standard: Barnished steel, 18 mm thick, or anodized aluminum, 20 mm, with larger diameters             |

### Safety concepts

For the safety of the users, the machine is completely protected with aluminum profiles and macrolon windows. There are different possibilities for protection on the front side:



Light curtain

Swivable flap

#### The indexing plate moves out of the protective device – manual loading.

With this concept, the parts are fed from the outside. Simultaneously, the press processes are carried out in the interior of the machine.

#### Light Curtain

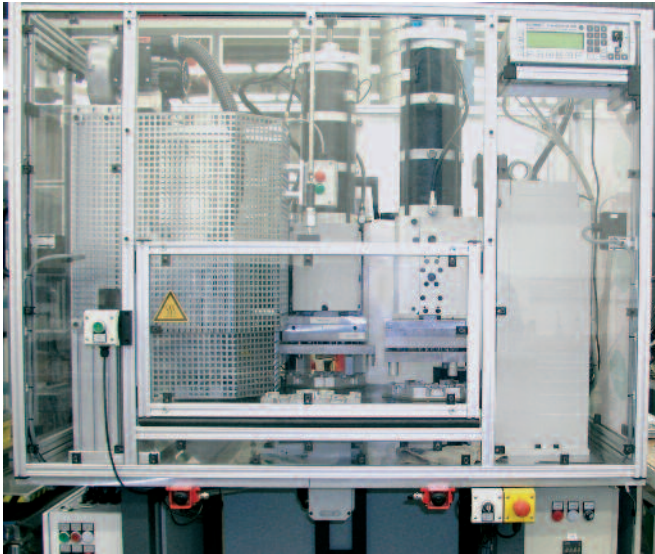
The use of a light curtain requires that possible trap points due to the rotary indexing plate are avoided. For this, the height of the component is decisive among other things.

#### Front cover flap to the inside

The components rotate through the small aperture in the protective guarding. With each possible intervention in this position the flap moves to the inside and stops the rotary table.

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**Complete indexing table inside the protective guarding**

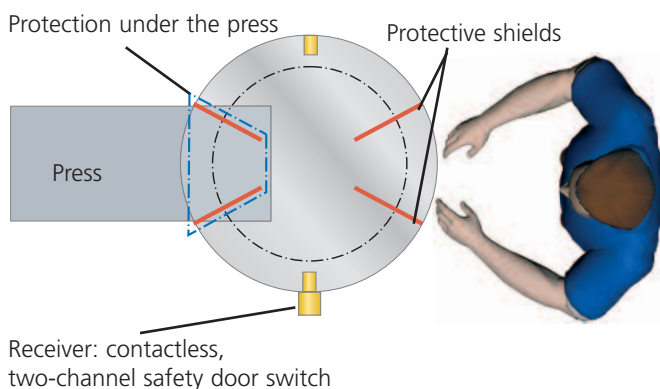
**Full covering**

- Automatic loading  
With this version, the front guarding is closed
- Manual loading  
With this version a light curtain or pneumatic safety door is available



**Without guarding**

The delivery of machine components is carried out after consultation with the customer.



**Rotary indexing system with manually rotary indexing plate**

This low-cost model consists of a manually rotary indexing plate with automatic indexing. Due to the concept, there is no risk of crushing when rotating the plate so that simple constructions are possible. During indexing, the pressing tool is completely closed. This version is mostly delivered as two-division manual workstation. Thanks to the small and compact design, the rotary indexing table can be mounted directly on the fixture mounting plate of the press.

We will be pleased to submit a proposal for your personal requirements. In order to offer the most appropriate solution we may require additional information such as drawings, components, samples, variants and annual production volumes.