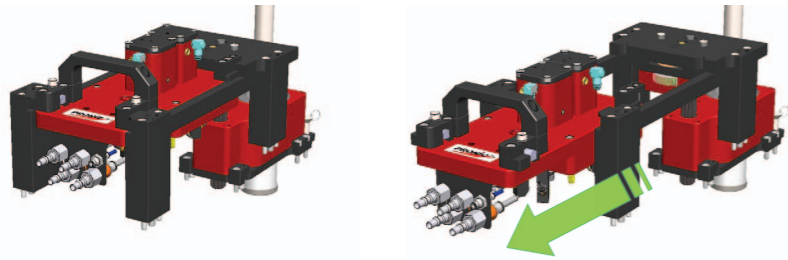


INSTALLING/REMOVING THE TAPPING HEAD INTO/FROM THE DIE

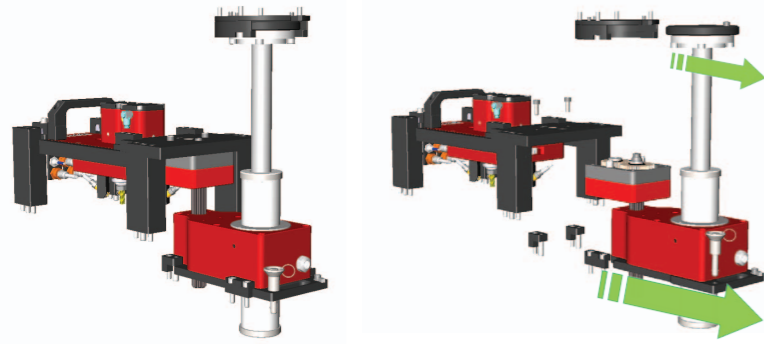


Installation of the tapping head into the die is very simple.

Only one hand needed to lock and unlock.

Position guaranteed by an indexing pin.

INSTALLING / REMOVING THE TRANSMISSION FROM THE DIE

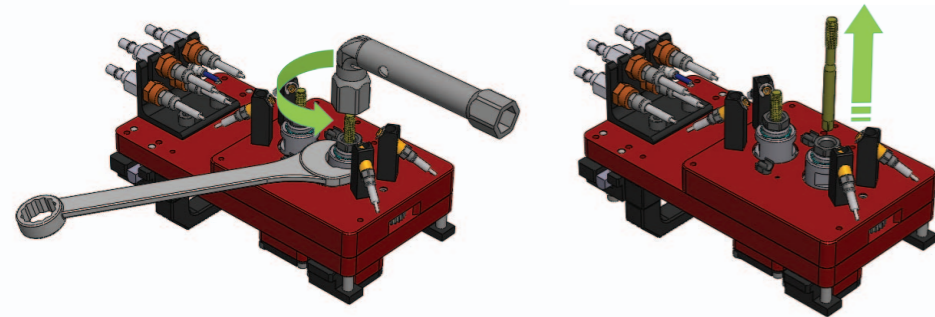


The motorization is installed in the die in a few moments.

Position guaranteed by an indexing pin.

The groove shaft easily disengages from the head.

REPLACING TAPS



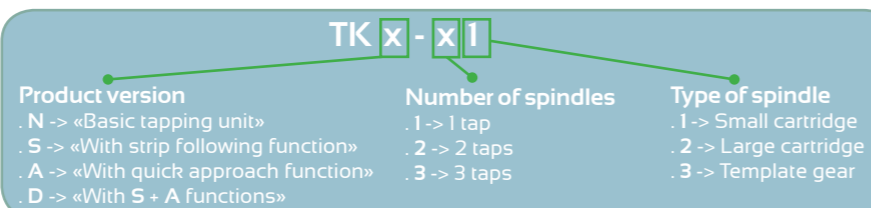
Tap change is made quickly after the head has been removed out of the die.

The standard tooling necessary for tightening the tap is provided by PRONIC.

TAPPING SPINDLES SPECIFICATIONS

Model (cartridge type)	(small) TKx-x1	(large) TKx-x2	(special) TKx-x3
Tapping	M2,5 to M6	M6 to M12	M0,6 to M12
Number of taps ¹	1 to 15 ⁴	1 to 14 ⁴	1 to 10
Minimum center distance between taps ²	33,00 mm	42,10 mm	From 9 mm ³

- ¹ Based on existing tapping unites.
² For more than 3 taps, please consult us.
³ According to tap dimensions.
⁴ According to the parameters of your application.



ALL OUR TAPPING UNITS ARE DELIVERED WITH:

Quick installation kit, data sheet specific to your application, user manual, technical manual, screws and dowels to fix the tapping unit on your die, accessories necessary for using your tapping unit.

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TKx RANGE

Tapping units with removable single or multi-tap head and built-in mobility functions

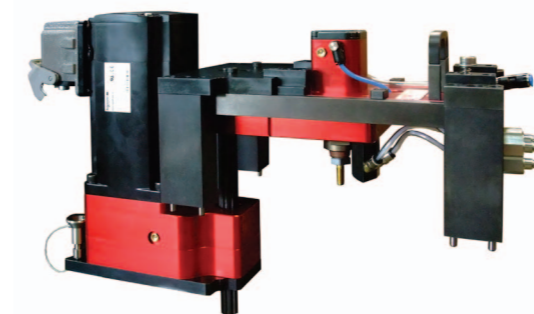
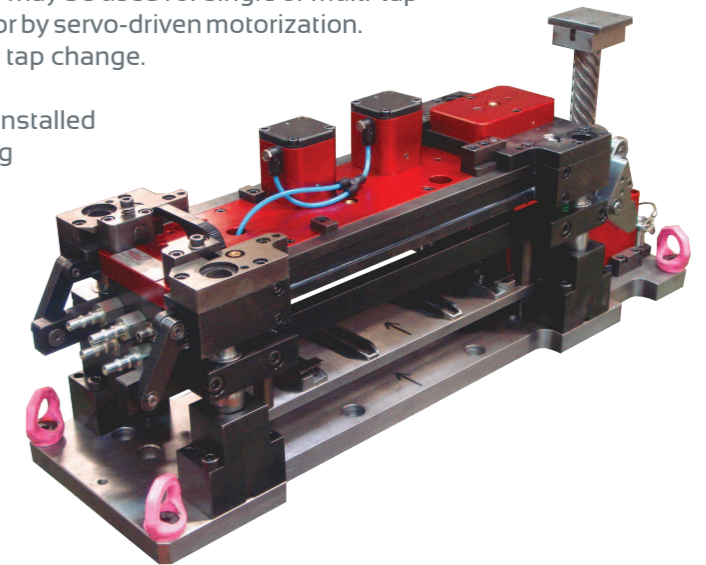
The modular tapping solution, easy to integrate and use

These tapping units are designed with a removable head and may be used for single or multi-tap applications. The tapping head is driven either by mechanical or by servo-driven motorization. The two-part design simplifies operations and enables quick tap change.

These units have been studied to integrate the commonly installed functions in the die directly and compactly in the tapping head.

According to the proposed version, the turnkey «TK» solution integrates the following functions:

- Strip guiding,
- Vertical strip follow (strip lift),
- Quick approach of the tapping head and strip piloting.



This made-to-measure turnkey solution is adapted to your die environment:

- The tapping station kinematics are totally controlled.
- The tapping station design is simplified and quick to implement.
- The tapping station tooling costs are significantly reduced.

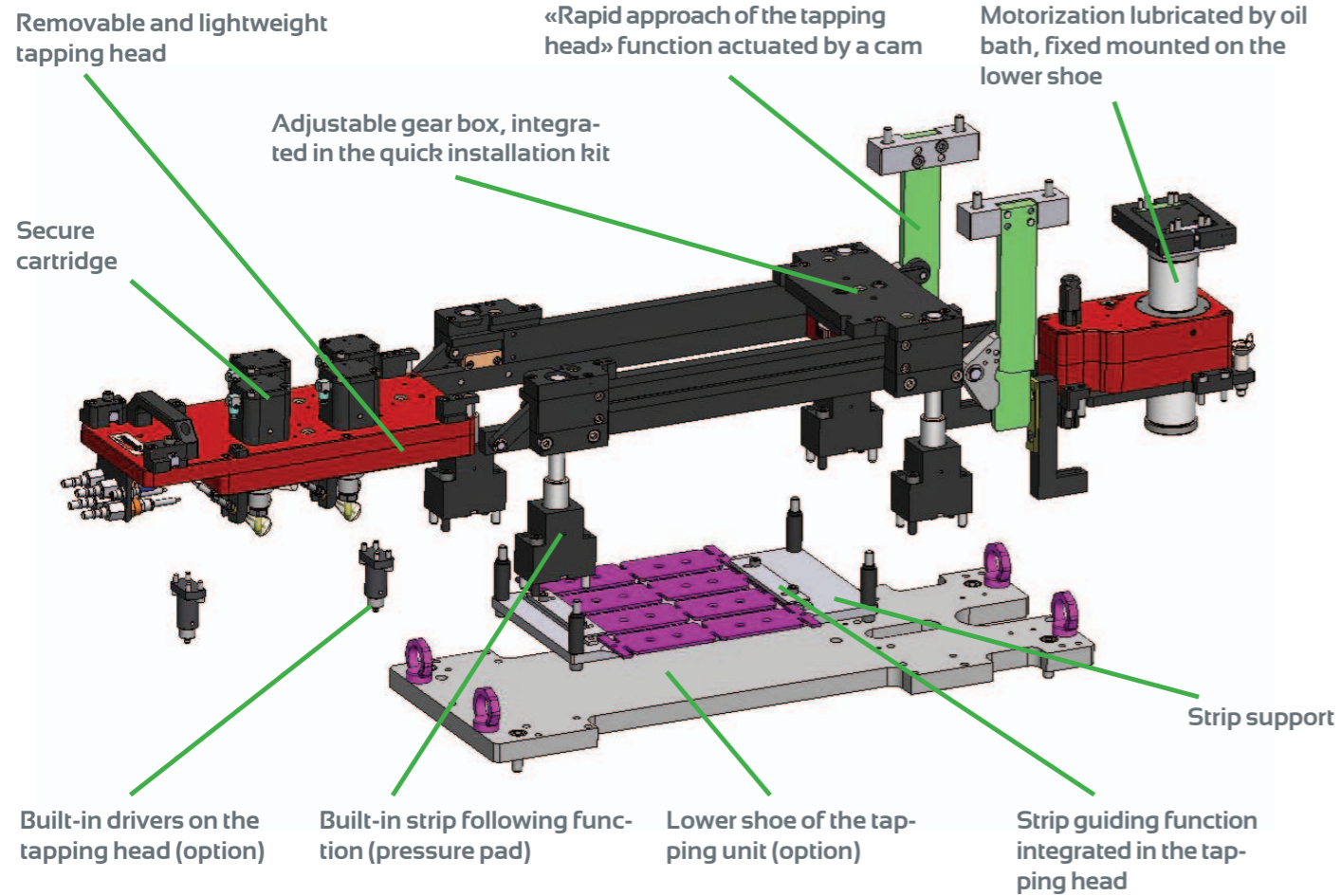
ADVANTAGES

- Simple integration of the device in the die.
- Reduced tapping station tooling costs: Design and assembly of the tapping station is rapid and implementation is less expensive.
- The kinematics are totally controlled: full guarantee of operation and optimized tapping speed.
- The rates are optimal: tapping begins just after the strip feeding, before the stripper contact.
- Use is simplified: No specific tooling, tapping head and motorization guaranteed by indexing pin, lightweight head to simplify operation.
- The range is modular: Several possible configurations, motorization can be used on several dies.
- The motorization is simplified and standardized.

Pictures and texts are non contractual

FIPT-017b GB - TK RANGE - 02/2012

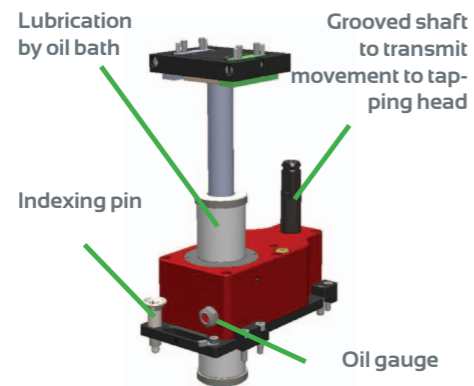
MAIN CHARACTERISTICS



TWO TYPES OF MOTORIZATION

Mechanical

- Transmission by lead screw linked to press slide.
- Simple installation.
- Increased reliability.
- Maxi press stroke: 500 mm.



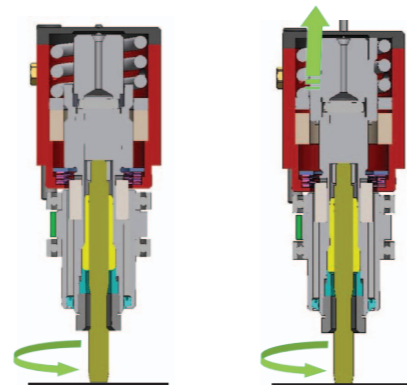
Servo-driven

- Independent from press stroke.
- Different motor powers available.
- Simple installation.
- Wide flexibility of use and management of the auxiliary movements by the M400 controller.



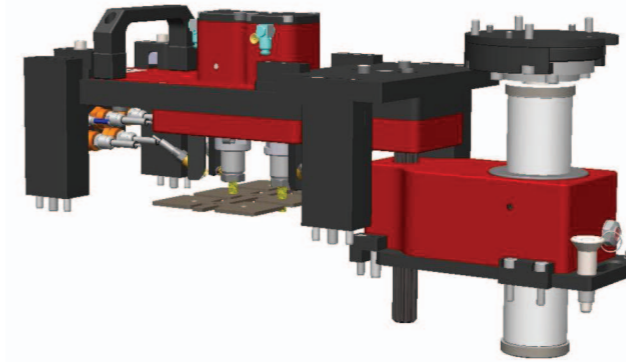
SECURE CARTRIDGE

- The template gear unclutches in case of overload or when there is no hole to tap.
- Waterproofness reinforced.
- Tap held by collet.



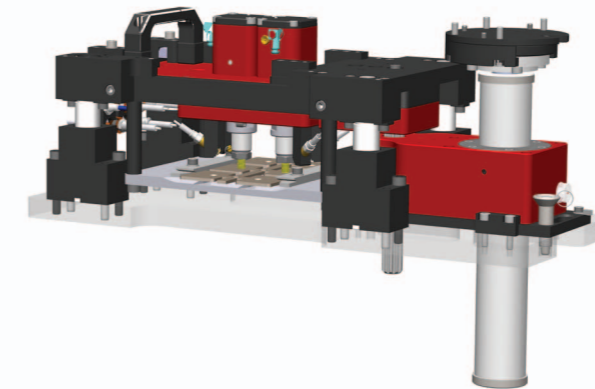
TAPPING UNITS VERSIONS ACCORDING TO YOUR REQUIREMENTS

TK-N = Basic tapping unit



- Simplified motorization fixed on the lower shoe.
- Lightweight head for easier operation.
- Adjustable gearbox.
- Integrated tap lubrication nozzles.
- Secure cartridge.
- Quick installation kit included.
- The tapping station is set-up by the toolmaker.

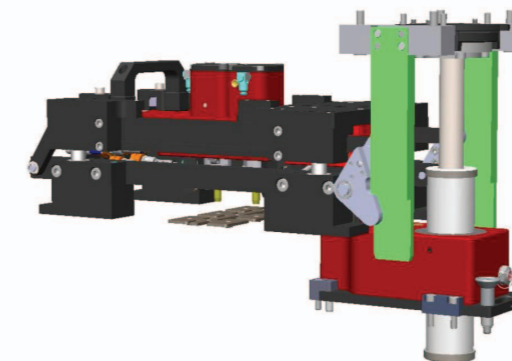
TK-S = TK-N + Strip following



TK-N version...

- + Built-in strip following function on the tapping head quick installation kit.
- + Built-in strip guiding.
- + Optional lower shoe.
- The tapping station functions are setup by PRONIC.

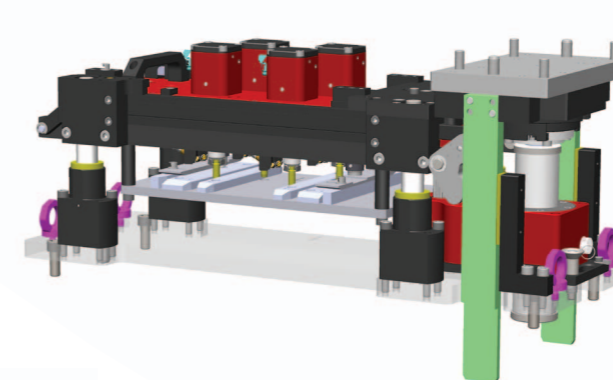
TK-A = TK-N + Quick approach and strip piloting



TK-N version...

- + «Rapid approach of the tapping head» function actuated by a cam.
- + Optional strip piloting.
- The tapping station is setup by the toolmaker.

TK-D = TK-S + Quick approach and strip piloting



TK-S version...

- + «Rapid approach of the tapping head» function actuated by a cam.
- + Optional strip piloting.
- + Optional lower shoe.
- The tapping station functions are setup by PRONIC.