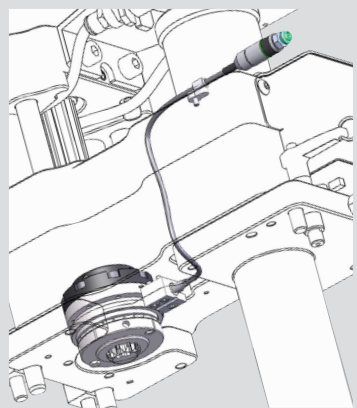


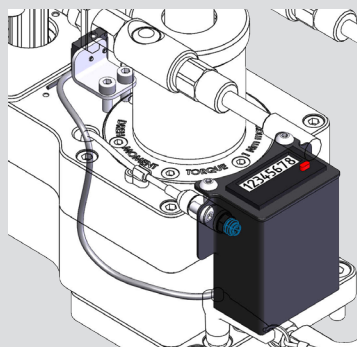
### Option: Torque limiter



A torque limiter, adjustable from 18 to 33 Nm [13.28 to 24.33 ft-lb] can be installed onto the motorization.

To avoid any risk of breakage, this sensor will send a signal to stop the press if an overload occurs and exceed the setup value.

### Option: Stroke counter

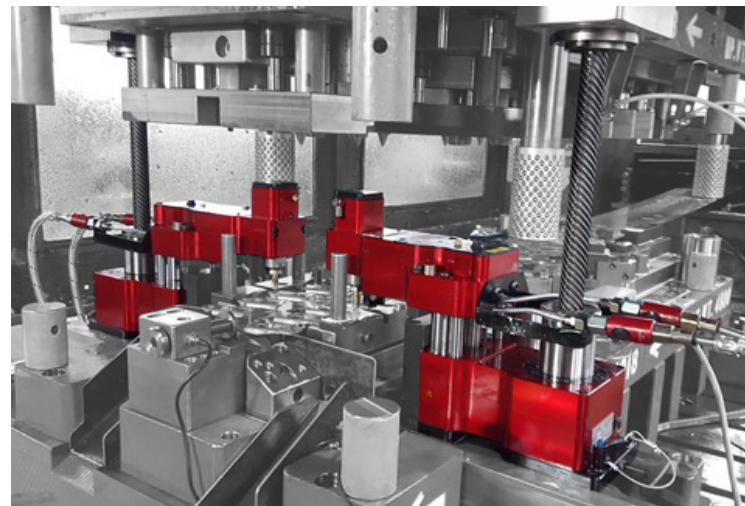


Self-powered total counter IP65 with 8 digits LCD screen.

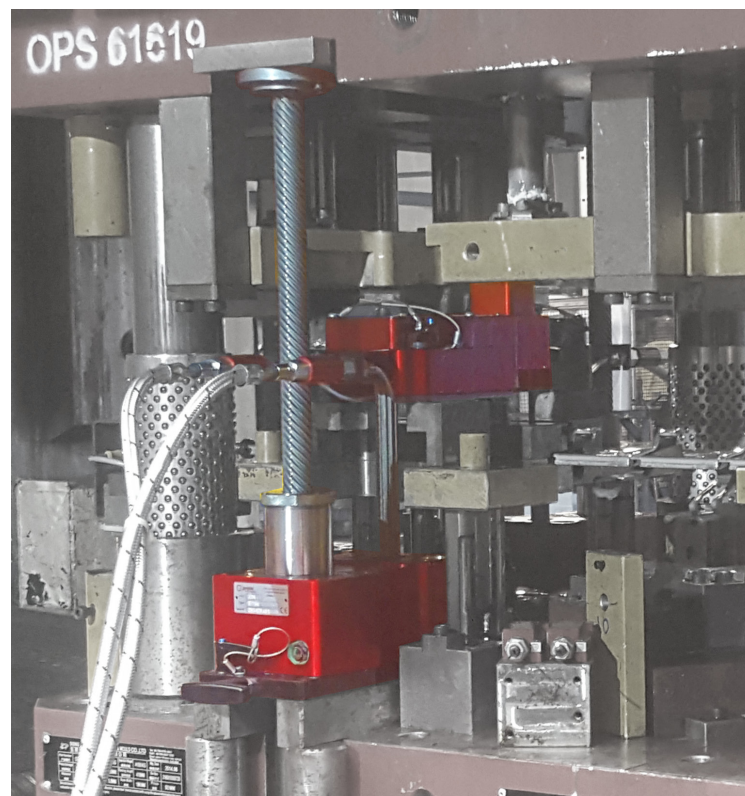
Allows to manage, preventive maintenance, production runs and tap changes, easily.

## Dimensions:

STS unit with mechanical motorization



STN unit with mechanical motorization



## What's included:

- Tapping unit configured for your project
- Hardware to install the unit in your die
- Tap wrench
- Technical handbook, application sheet and user manual
- BOM and drawings

9440-3019-B - ST Range - EN - 10/2014



# ST Tapping Unit

The most efficient single tap solution

**The most efficient solution for your applications with 1 tapped hole and lifted strip.**

- The integration of the tapping unit into the die is greatly simplified.
- Kinematics is totally under control to guarantee effective functioning and highest production rate: Tapping starts as soon as the strip running stops, before the blank holder is on the strip.
- This modular series offers several possible configurations, with both type of motorizations usable on multiple dies.
- The transmission mechanism is simplified and standardized.
- The tapping unit includes a strip height following feature.
- User-friendly: no special tools required to operate the unit, right position of the tapping head easily locked by special pin, light tapping Head making handling easier.

## Advantages:

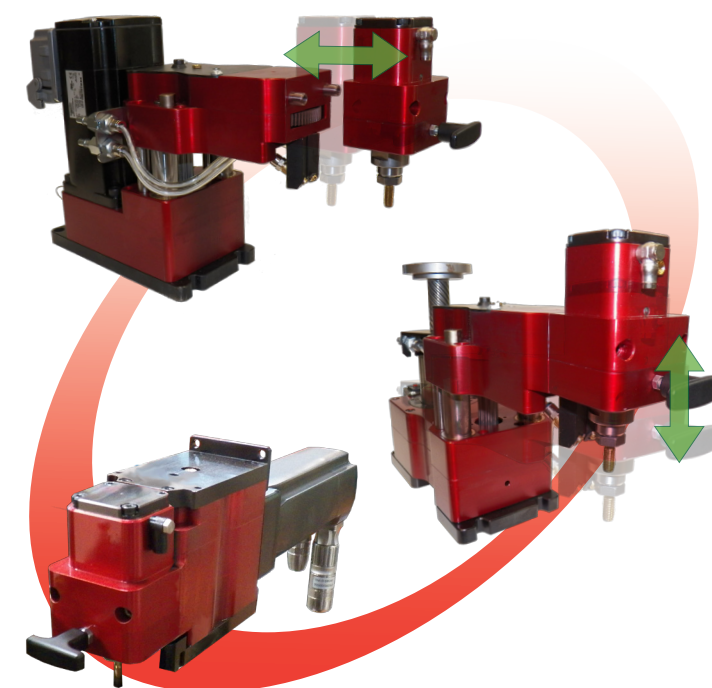
- Ultra-light tapping head for quick and easy tap change.
- Integrated strip height following feature to make the die simpler.
- Interchangeability of the mechanical or servo-driven motorization to help reduce your investment
- Oil bath lubrication system for optimum performance and lifetime.
- Optional torque limiter to secure production
- Optional cycle counter to facilitate maintenance

**ST (Single Tap), the only single tap tapping unit on the market with a detachable tapping head, built-in strip height following feature, and optional torque control and cycle counter!**

These tapping units are designed with a detachable tapping head to be used for single tap applications.

The tapping head can be driven by a mechanical or servo-driven motorization, which are fully interchangeable.

The two-part design makes the handling of the unit much easier and reduces the downtime for tap change.



# STN tapping unit

the basic

# STS tapping unit

the essential

# STW tapping unit

solution for transfert press

## Flexibility:

- Tap change within less than a min.
- Compact design
- User-friendly
- Compatible with all tap standards: DIN, ANSI, JIS
- Interchangeable mechanical or servo-driven motorization

## Safety features:

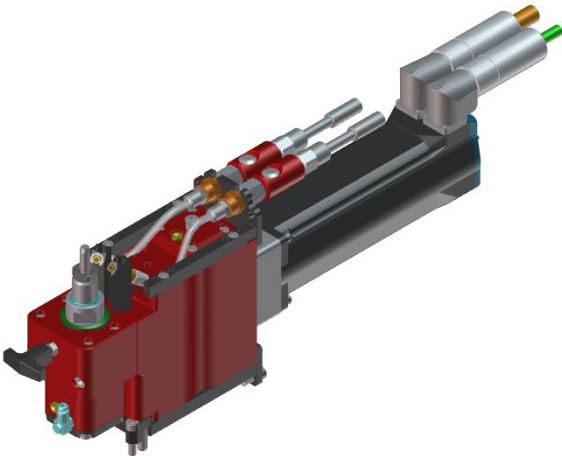
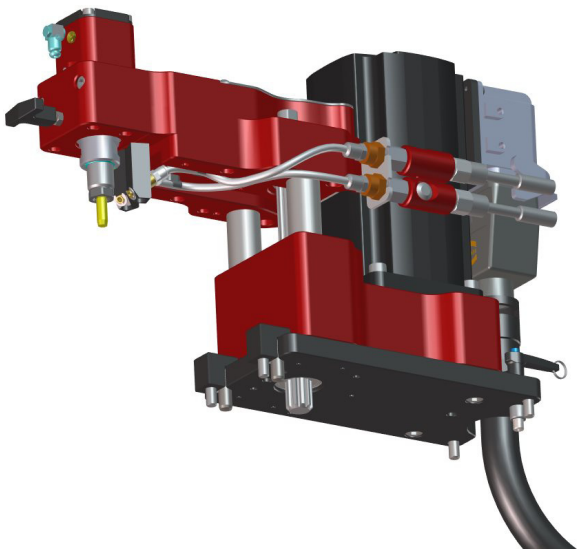
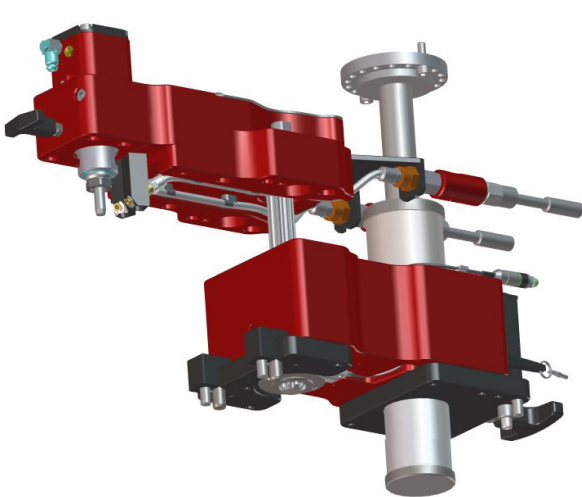
- Protection against misalignment issue and lack of hole.
- Reinforced watertightness to protect from the die environment.
- Protection against overtorque, to avoid breakage.
- Optional torque limiter.

## Service:

- Technical support and assistance during the tapping station design.
- Integration of the tapping unit into your die design on request.
- Design and manufacturing of the complete tapping station on request.

## Reliability:

- Lead screw tap cartridge system for the best quality tapped hole
- Low maintenance cost
- The tapping speed adjust to the speed of the press and can be optimized for multiple press stroke
- A cycle counter can be integrated on the tapping unit (Optional)



	STN		STS		STW	
	STNI	STN2	STNI	STN2	STWI	STW2
Motorization	Mechanical or Servo-driven		Mechanical or Servo-driven		Servo-driven	
Tapping head	Single tap and detachable		Single tap and detachable		Single tap and detachable	
Tapping direction	Haut en bas		Haut en bas		From Top to Bottom or From Bottom to Top	
Kinematic	Pressure pad with support made by the tool maker		Pressure pad <b>integrated</b> on the tapping head		Solid mounting on the lower shoe	
Tap dimension <sup>1</sup>	M2,5 to M6	M6 to M12	M2,5 to M6	M6 to M12	M2,5 to M6	M6 to M12
Max tap travel <sup>2</sup>	30mm		30mm		30mm	
Max press stroke (travel of the drive screw)	450mm		450mm		/	
Max strip lift	100mm		45mm		<2mm	

1 BSP, TR, G, multi filets sont aussi possibles.  
2 Pour des courses plus importantes, merci de nous contacter.