



Nedform NT60

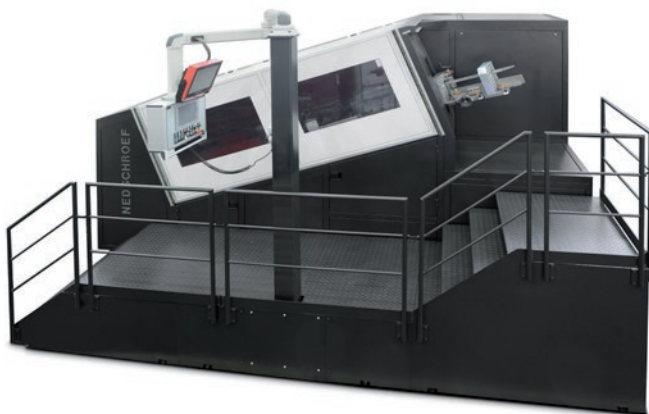
Easier, more efficient roll forming

The flat die roll forming machine utilizes direct driven servo technology.

Its unique features enhance manufacturing accuracy, repeatability, productivity and production flexibility.

Furthermore, die matching is easier than ever, maintenance is minimised and energy consumption is reduced by using recuperating capacitors.

In short: this solution perfectly meets today's demand for (hi tensile) thread and profile rolling.



Specifications*

Minimum threading diameter	M7
Maximum threading diameter	M30
Range of die sizes	WB60, WB50 and WB40
Maximum thread length	200 mm
Maximum blanks length	300 mm
Total weight	24000 kg
External dimensions (l x w x h)	4700 x 2500 x 3000 mm
Air pressure	Min.5.5 bar
Maximum production speed	115 p/min.

* All data refer to material strength 580N/mm² and depend on product type and thread length.

Durable design

A solid frame guarantees strength and stability, a long lifetime and high-quality output. A supporting platform serves as a coolant collection tank, preventing spillage and seepage.

Direct-drive torque main motor

The main slide can be very precisely controlled and high torque can be delivered at low speeds without compromising on performance.

Motorized feeding guides: stable, durable and easy to adjust

Feed guides perfectly align and position blanks. Hardened steel in the feed area improves durability and lifetime. Motorised guide height adjustment and storage (-40/+220 mm) allows rapid positioning.

Feeding guides with inserts

Special guides, with easily replaceable protective steel inserts, are ideal for high-strength bolts and special parts. Guides are easily adjusted with up to 0.1 mm precision.

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Servo direct-driven blank introduction system: three efficient steps

- 1: Separation: only one part passes for each introduction.
- 2: Transfer: part is moved into work area and placed before moving die.
- 3: Introduction: part is placed before die at the precisely specified moment.

Strong frame-attached die holder

Vertical and longitudinal rotating adjustments are possible and high rigidity positively affects product quality and die lifetimes. An exchangeable pocket allows preparation outside the machine and optimum cleaning.

Servo-driven die matching

Die match alignment may be checked during production and easy adjustments reduce setup time and scrap rates.

Easy and safe operations by electronic hand wheel

The electronic hand wheel allows easy setup and control of the thread roller. The operating cycle can be visually inspected and verified at a controlled lower speed before production commences.

Closed Lubrication system

A distributor passes pressurized lubricant to bronze guides. A second circuit ensures lubricating film is present at all other sliding points.

Discharge chute for non-correct parts

A vital feature that helps minimize product reject rate of finished parts.

Sound enclosure

The cabin provides soundproofing (noise level < 80dB) easy access to the die cassettes and protection from moving parts.

Prepared for installation of customer-specified load control system

Preparation provides several points of strain sensor application, results are shown on the integrated display.

Closed, cleaner system for cooling oil

Excellent separation between emulsion or cooling oil and lubrication oil ensures oil can be used for a longer time and deterioration is minimal.

Easy set up outside the machine

This is accomplished using externally positioned threading dies cassettes, finger holders and a selector.

Extra stable threading

Our system for matching fixed threading dies to moving die threads uses the rear dead centre. The engine is adjusted to the correct position and speed equals 0 when entering the bolt.

Nedcontrol: easy, user-friendly operation

Our HMI software supports compliance with best practices and approved operating techniques, provides information on production and maintenance and continuously diagnoses machine operation.

