

viper



viper



Technical specifications ENGEL viper 40

**Load bearing capacity:**

- > 25 kg (speed), 40 kg (regular), 55 kg (load)

**Machine sizes:**

- > From 110 bis 1.500 tonnes



## ENGEL viper.

Powerful performance. Impressive design.  
Lightweight construction.

## veni. vidi. viper.

ENGEL viper. The new powerful linear robot.

**ENGEL**  
be the first.

**ENGEL**  
be the first.

# XYZ. Under control.

viper



## ENGEL viper – Fast and efficient.

- > **Light but powerful.**  
Maximum stability and dynamic values despite a low weight and substantially improved manipulation weight. The innovative design using laser-welded steel sections makes this possible. Your economic advantage: smaller robots and lower cost of investment for high manipulation weights.
- > **More intelligence. More efficiency.**  
Clever software ensures faster cycle times, improved productivity and a longer working life due to gentler handling of mechanical components:
  - **Mass identification** identifies the manipulated mass „online“, adapts the dynamic values to match, and thus ensures optimised acceleration
  - **„vibration control“** reduces structure-borne vibration, even for longer axis dimensions
  - **„efficiency control“** optimises robot movements for maximum productivity while consuming very little energy.
- > **Convenience. To the power of three.**
  - **Convenient** in the daily use thanks to multi turn absolute stroke transducer and pneumatics configuration at the display
  - **Conveniently** intuitive controls for standard sequences
  - **Convenience** thanks to easy extensibility of the automation thanks to a powerful Ether-CAT based bus system
- > **Convincing price/performance ratio** – no matter whether you need the machine for integration with a line or as an efficient stand-alone solution



**Maximum stability, remarkable dynamics and maximum user-friendliness.** The new ENGEL viper combines all of these things with ease: it saves weight thanks to its innovative design using laser-welded steel sections and convinces users with a substantially higher manipulation weight.

**More efficiency thanks to intelligence.** Thanks to clever software such as vibration control, or mass identification, it reduces structure-borne vibration, even with longer axis dimensions, and optimises its movements and dynamic values to achieve better efficiency. The impressive results: ultra-fast cycle times and maximum productivity accompanied by low energy consumption.