

discover **NEO·H**

High-end
Two-platen
Injection Molding Machine



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tederic
SMART INJECTION

NEO·H

New High-end Two-platen IMM

Tederic is deeply committed to the injection molding industry, backed by professional experience. The NEO·H series is a collection of innovative patented technologies with flexible and rich functional configurations to provide you with professional customized solutions.

Clamping force: 680t – 2700t

Stable, Precision, Efficient, Energy-saving

Main application sectors



Automotive



Home Appliances



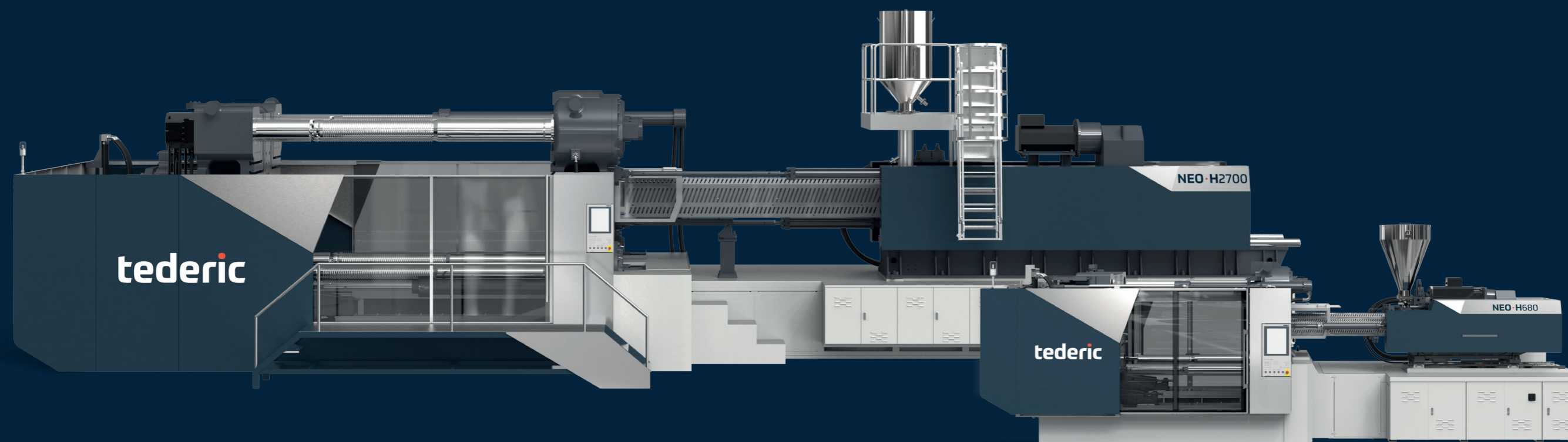
Logistics



Environmental Protection



Commodity



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Clamping Unit

Technical Advantages

- Huge mold space, clamping stroke can be expanded
- Mould open position repeat accuracy $\leq 1\text{mm}$
- Modular design of mold opening cylinder
- Increased mold support weight by 15%
- Tie-bar load eccentric $\leq 4\%$

Stable synchronous lock structure

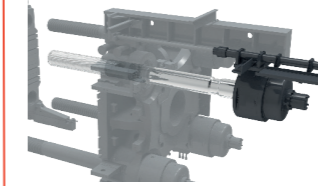
Lock cylinder with buffer unit.
Accurate alignment without impact,
stable tie bar position with even
force.

Huge mold space and opening stroke

Flexible for more molds.
The exclusive mold protection
function of the two-platen
machine is safe and reliable.

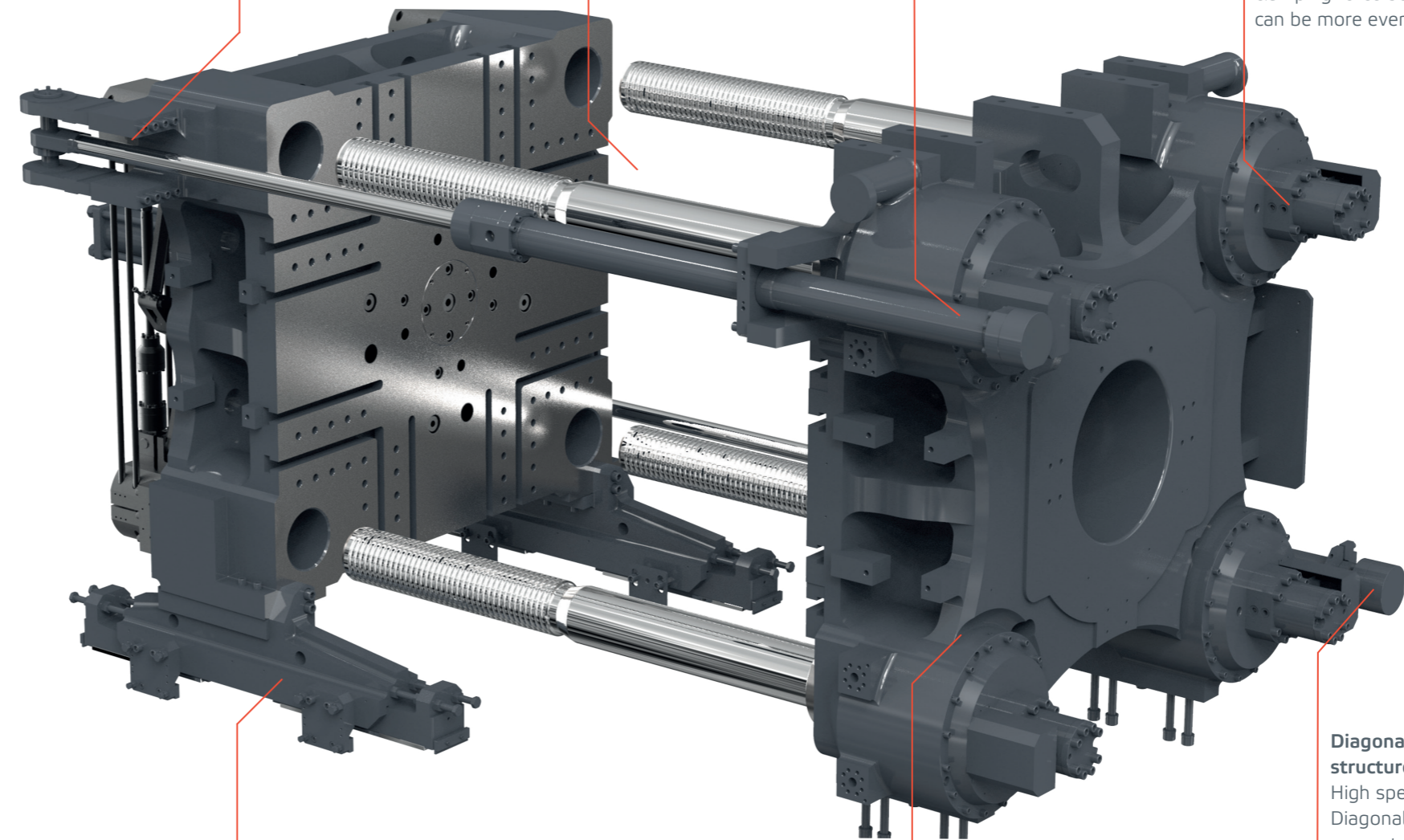
Pullsurre™ technology (option)

Solves customer factory
height limits, improves
mold change efficiency.



Short stroke clamping cylinder

Boosting stroke can speed up
clamping force built, so mold force
can be more even.



Sliding foot oblique iron type support device

Can support heavier molds, mold
Support weight increased by 15%.

High repeatability

Mold opening and closing controller
by proportional valve, improve
mold opening position and repeat
the position accuracy, the repeat
accuracy is within $\pm 0.5\text{mm}$.

Diagonal parallel cylinder structure

High speed cylinder with
Diagonal parallel structure,
guarantees stable and fast
mold clamping & opening,
shortens dry cycle time.

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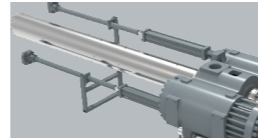
Injection Unit

Technical Advantages

- Injection repeat accuracy less than 0.3%
- Modular design
- Temperature control of barrel $\leq \pm 1^\circ\text{C}$

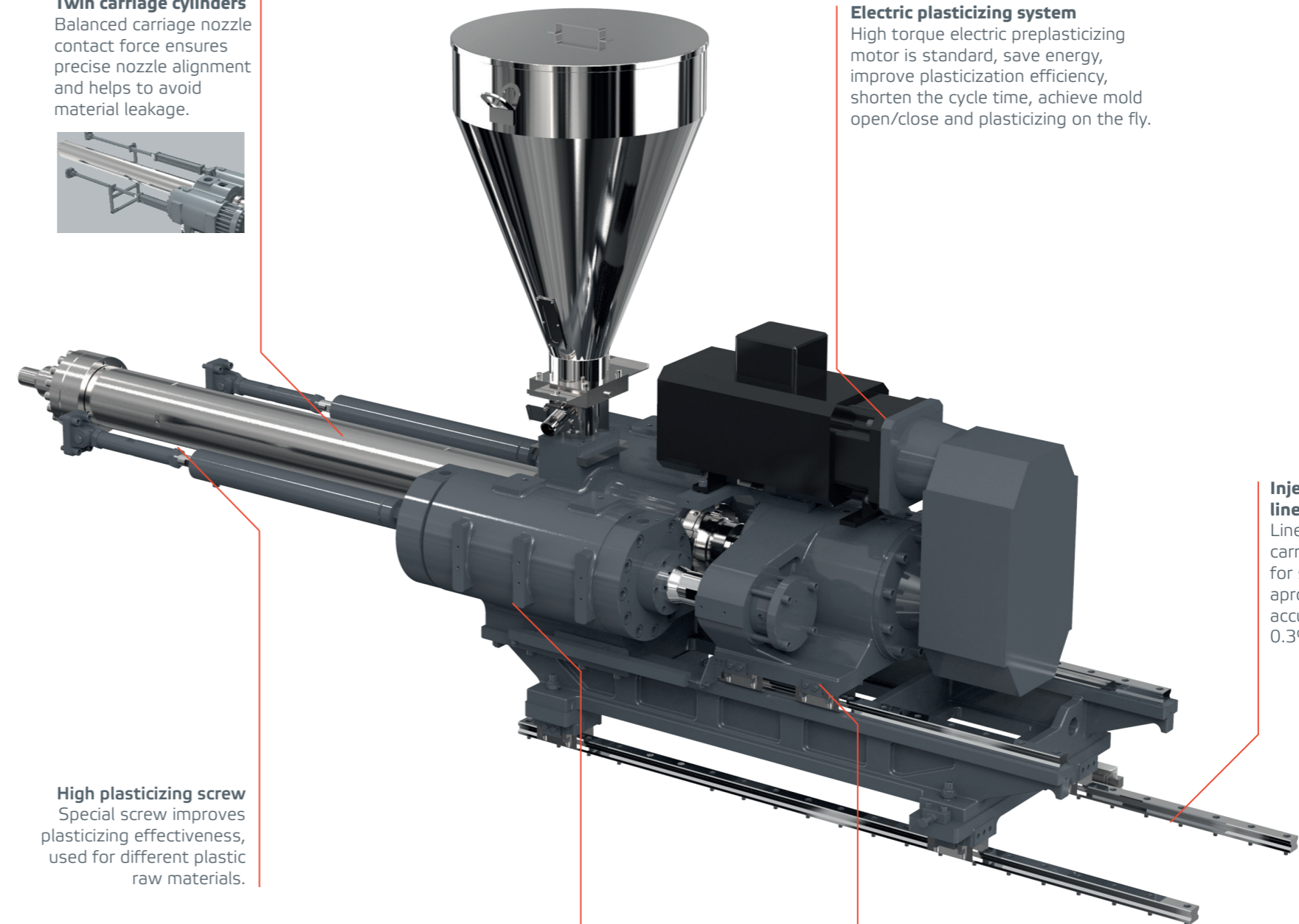
Twin carriage cylinders

Balanced carriage nozzle contact force ensures precise nozzle alignment and helps to avoid material leakage.



Electric plasticizing system

High torque electric preplasticizing motor is standard, save energy, improve plasticization efficiency, shorten the cycle time, achieve mold open/close and plasticizing on the fly.



Injection double-layer linear rail structure

Linear guides on both carriage and injection for smooth movement aproduct repeat accuracy less than 0.3% .

High plasticizing screw

Special screw improves plasticizing effectiveness, used for different plastic raw materials.

Rotational injection unit

More easier to replace the screw and barrel .

Centralized lubrication device by manual pressure release for the carriage

Manual lubrication pump with pressure realese + detection type grease distributor, uniform layout and elegant.

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Electrical & Hydraulic

Technical Advantages

- Standard KEBA high-performance control, powerful open software platform
- Mold open/close and plasticizing on the fly is std for all machine
- Increased oil pump motor power
- Functions customizable, more humane and flexible

Accurate control for mold opening & clamping
Using mold opening & clamping predict formula, shorten its time greatly. Combined with proportional direction valve guarantee stable mold opening & clamping.

International standard control system
Standard 15-inch KEBA high-performance control system based on Linux system; Protocols of OPC and Modbus are used for Industry 4.0 access; freely programmable, Convenient for secondary development and realize various functions. Larger size screen, more comfortable for operator.



Increased oil pump motor power
Shorten the cycle time and broaden the molding process.

Reasonable oil, water, electricity layout
Centralized system layout at the back of moving platen, more clean, elegant and safe.

Modular design of electric control cabinet
Independent electric cabinet is designed based on high and low voltage, safer and more reliable.