

discover NEO·HII

Two-Platen
Injection Molding
Machine



Tederic Machinery Co., Ltd.
No.245 Wenze North Road,
Hangzhou City, Zhejiang Province, 310018, China
T. +86-571-86733387
www.tedericglobal.com

t.NEO.202305.11

tederic
SMART INJECTION

Design
drives
change.



About Us



An international partner with solid background in the industry - based on trust and industry experience.

Tederic is a smart injection molding machine manufacturer with world-leading technology (a world-renowned injection molding machine solution provider). As a company listed on the Shanghai stock exchange of China (603289-SH), we have rich industry experience, good performance and professional knowledge, with the mission of creating real value for customers, the goal of pursuing excellence, adhering to a flexible approach and the spirit of continuous innovation, we will create high-quality, durable, efficient and value-added products for you.

from casting casting, fuselage and sheet metal welding, precision machining to complete machine assembly, all through strict quality system control, and can achieve fast delivery for customers.

At present, Tederic has 122 technical patents and more than 70 industry experts. In terms of talent development and reserve, Tederic has carried out comprehensive and in-depth industry-university-research cooperation with 15 universities, including Zhejiang University, Beijing University of Chemical Technology, Zhejiang University of Technology, etc. Moreover, Tederic has donated \$150 million to cultivate the elite of the plastic machinery industry and promote the sustainable development of the industry.

Tederic has the core technology of injection molding machine and the manufacturing capacity of main parts,

Basic Facts & Figures

 **1000**
Staff worldwide

 **335,000**
Production plants (m²)

 **130+**
Exporting countries



Tederic Machinery Co., Ltd.
Covering 50,000 square meters

Founded in 2008



Zhejiang Tederic Equipment Co., Ltd.
Covering 164,674.5 square meters

Coming soon



Zhejiang Tederic Heavy Machinery Co., Ltd.
Covering 60,000 square meters

Founded in 2010



Smart Factory of Tederic New Headquarters
Covering 33,334 square meters

Coming soon

Timeline

2003

Founded as a family owned company, based in Hangzhou city, busienss mainly in oversea market.
Start with first machine series "TRX".

2010

Development of the whole industrial chain

The second series "DREAM" was born to complete the layout of the whole product line

2018

Portugal's overseas subsidiary was established and started to lay out global business outlets

2020

"4.0 concept smart headquarter" has officially started.

Covers an area of 33,333+ m²

2022

Increase production capacity layout, "Integrated Molding super factory" project started, with an area of 178,000 m²

Entered a new stage of high-quality, sustainable and globalized development

2008

Headquarters was established in Xiasha, covering an area of 50,000+ m²

2017

2017 Oct 31th, Tederic become the only Chinese injection molding machine brand listed on the shanghai main board stock market in the industry and developed toward collectivized enterprises

2019

Three overseas subsidiaries in Korea, Mexico and Brazil have been established

2021

Annual production capacity of 10,000 units

The third generation product line "NEO" was released

Set up a German R&D center

We are a global partner

So far, Tederic machines have been in operation in more than 130 countries and regions.

At present, Tederic has 4 overseas subsidiaries and 36 sales and services networks in the world.

AMEA

Argentina	Venado Tuerto
America	Florida
Brazil	Sao Paulo
Mexico	Guadalajara
Peru	Lima
Canada	Hamilton

Mexico

Brazil

Germany R&D Center

Portugal

EMEA

French	Paris
Germany	Munich
Italy	Turin
Britain	Gwent
Belarus	Minsk
Russia	Moscow
Portugal	Batalha
Spain	Barcelona
Netherlands	Gelderland
Poland	Koronowo
The Czech Republic	Trinec
Hungary	Budapest

APAC

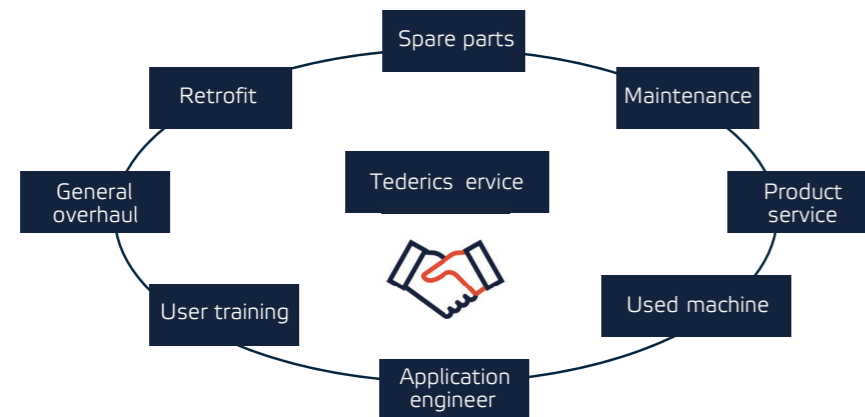
Malaysia	Kuala Lumpur	Syria	Aleppo
Vietnam	Ho chi-minh city	Turkey	Istanbul
Thailand	Bangkok	Bangladesh	Dhaka
Korea	Hwaseong	Indonesia	Jakarta
Iran	Tehran	New Zealand	Auckland
Japan	Tokyo		
India	Coimbatore		

Korea
China

● Headquarter ● Sales&Service networks

Support and service

360° customer care



- Perfect service management system

So far, Tederic sales engineers have provided initial installation or subsequent commissioning services to customers in more than 130 countries and regions around the world.

- Rich experience in sales and service industry

70% of the engineers have more than ten years of industry experience

- Global service rapid response

At present, Tederic has 65 sales and services networks in the world.



We are there for you a whole machine life cycle:

1. Personal contact
2. Consultation already in the initial phase
3. Professional Installation and commissioning
4. Preventive maintenance
5. Repairs
6. Spare parts supply by us
7. Training courses at our technical center in Munich or at your site
8. Support by special loading/unloading and assembly companies who are familiar with injection molding machines
9. Retrofitting and modernization

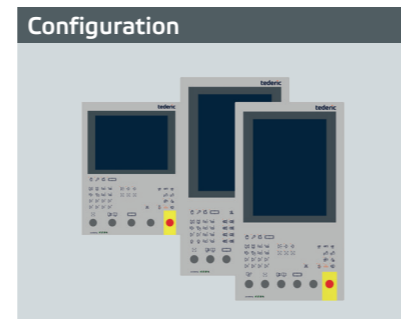
NEO

Design drives change, evolution, usability and functionality

NEO series is jointly created by the top design team in the world and tederic team, which embodies 20 years of technical accumulation of tederic and also fully displays the industrial aesthetics. It combined perfectly the world's leading industrial design, high-end components and advanced design concept, which brings a better user experience.

Controller

- Professional controllers, has dozens of years experience accumulated.
- Multiple dimension of screen available from 12 to 21 inches.
- Screen available by key screen and touch screen, optional of high-end multi-touch screen. Support for multiple data interface protocol, like OPC UA, Modbus.
- Massive amounts of mold process data & production process data.
- Open programming, enable to develop secondary programs, to meet a variety of special process requirements.



Safety Standard



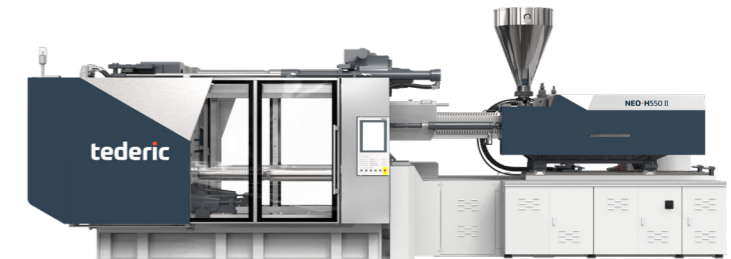
Supported Languages



NEO · T



NEO · HII



NEO · EII



NEO · Mv



NEO · Ms



NEO·HII

Two-platen IMM

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

Clamping force: 550t – 7000t

Stable, Precision, Efficient, Energy-saving

Main application sectors



Automotive



Home Appliances



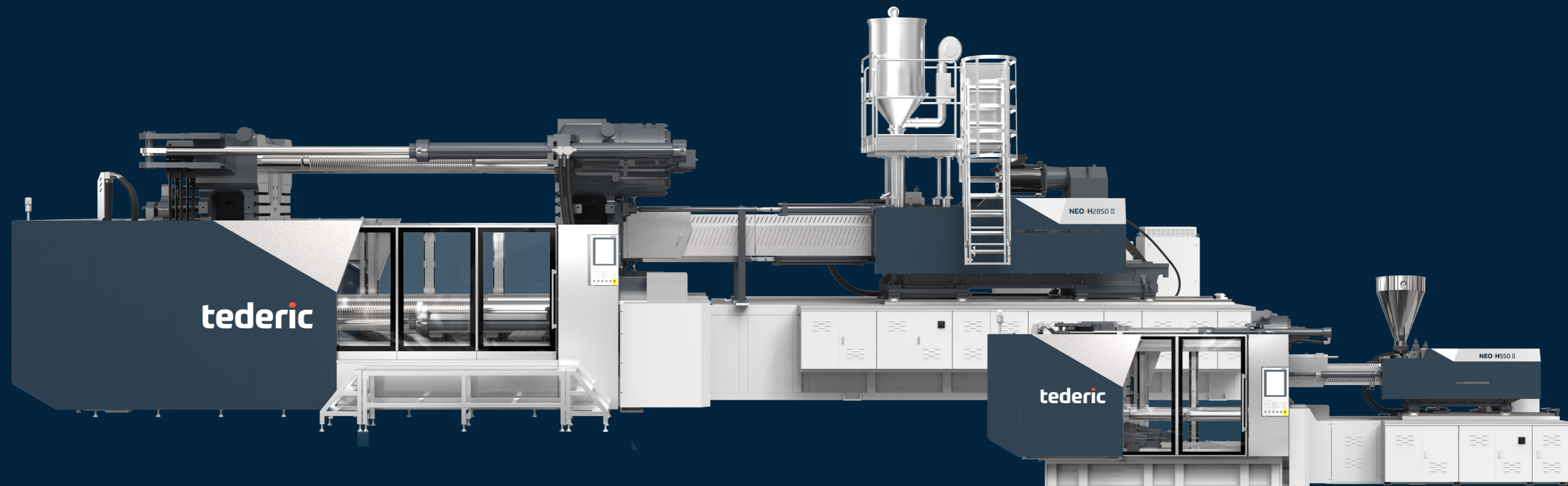
Logistics



Environmental Protection



Commodity



NEO·HII

Clamping Unit

Technical Advantages

- Huge mold space, clamping stroke can be expanded
- Mould open position repeat accuracy $\leq 0.5\text{mm}$
- Modular design of mold opening cylinder
- Increased mold support weight by 15%
- Tie-bar load eccentric $\leq 4\%$

Stable synchronous lock structure

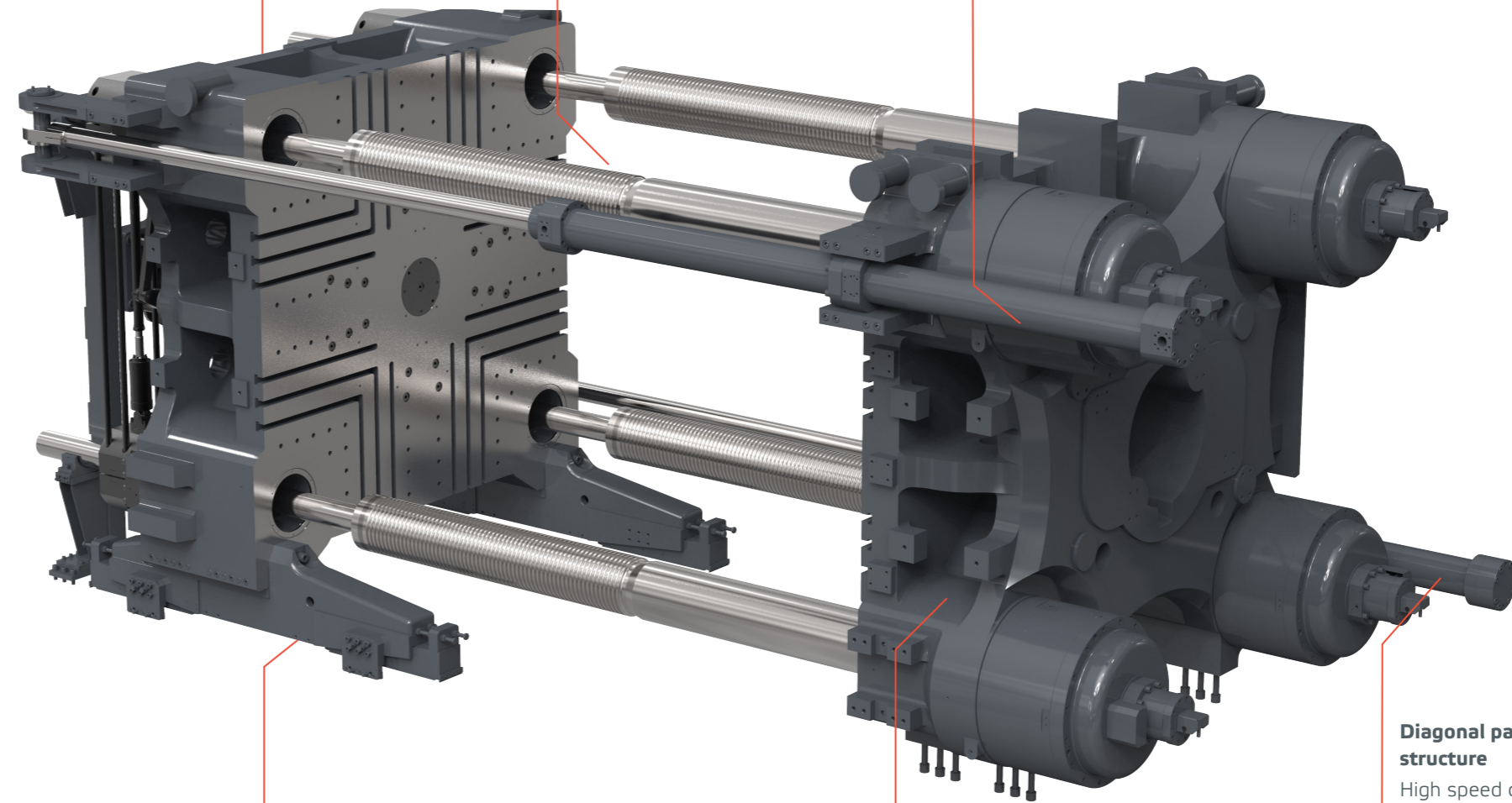
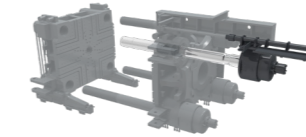
Lock cylinder with buffer unit.
Accurate alignment without impact,
stable tie bar position with even
force.

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.



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

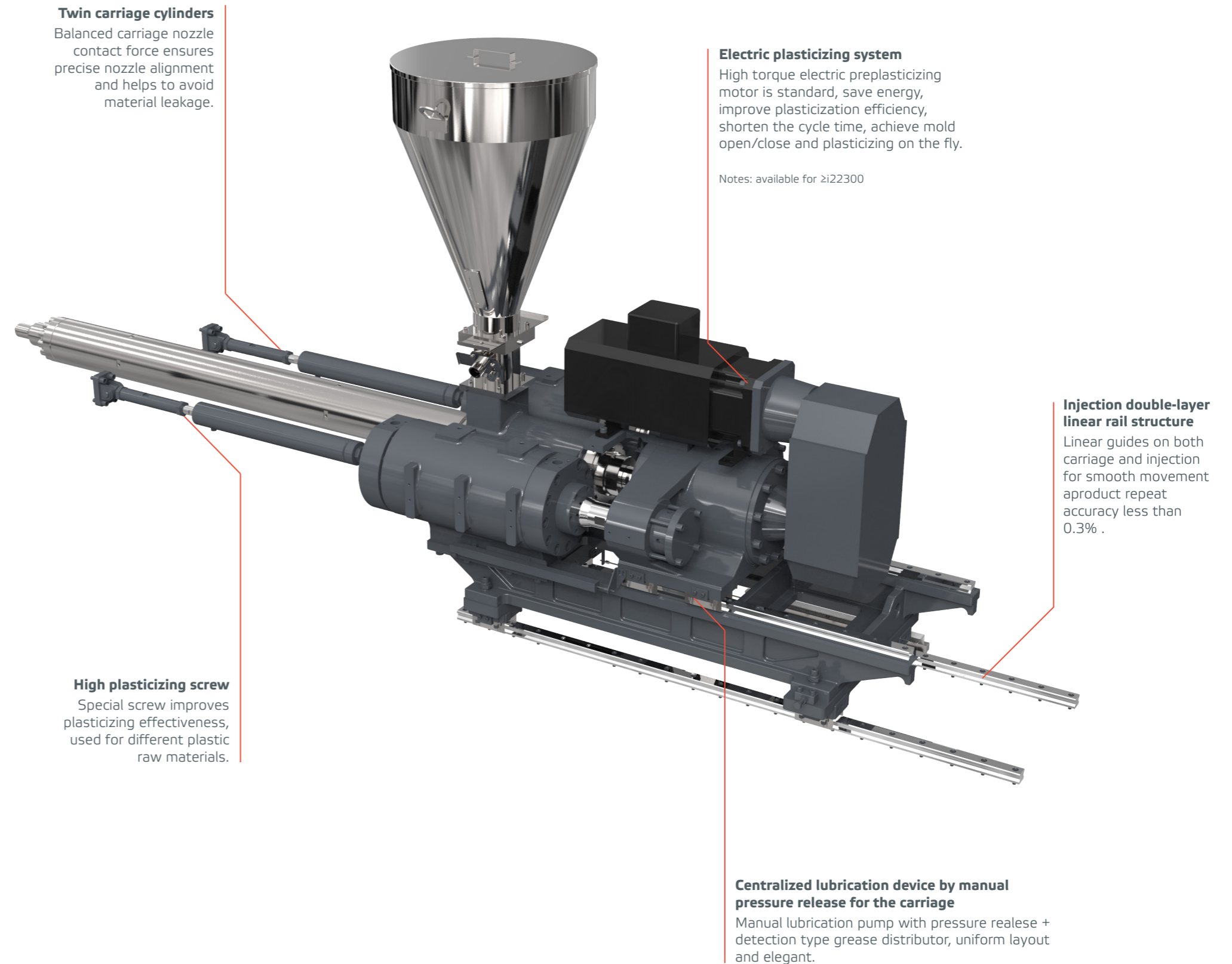
High speed cylinder with
Diagonal parallel structure,
guarantees stable and fast
mold clamping & opening,
shortens dry cycle time.

NEO·HII

Injection Unit

Technical Advantages

- Injection repeat accuracy $\leq 0.5\%$
- Modular design
- Temperature control of barrel $\leq \pm 1^\circ\text{C}$



NEO·HII

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, decreasing pressure-up time by 50%
- 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.

