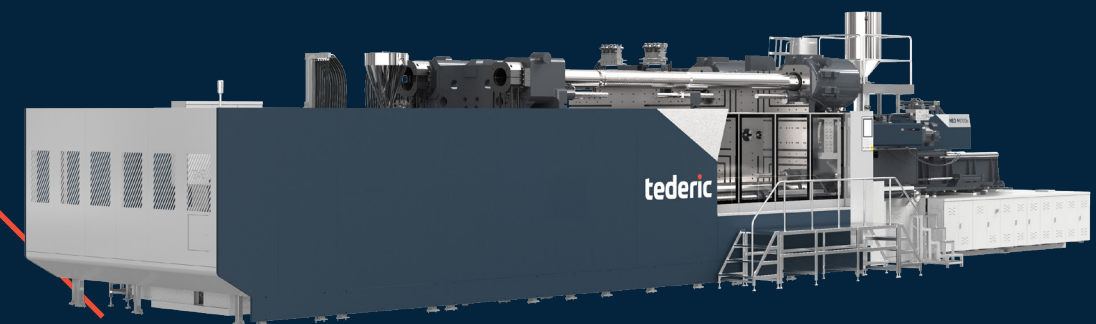


# discover **NEO•M**

Multi-Component  
Injection Molding  
Machine



**Tederic Machinery Co., Ltd.**  
No.245 Wenzhe North Road,  
Hangzhou City, Zhejiang Province, 310018, China  
T. +86-571-86733387  
[www.tedericglobal.com](http://www.tedericglobal.com)

t.NEO.202305.11

**tederic**  
SMART INJECTION

Design  
drives  
change.





# About Us



## Basic Facts & Figures



## 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.

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

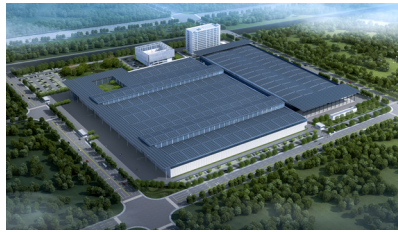
from casting casting, fuselage and sheet metal welding, precision machining to complete machine assembly, all through strict quality system control, and can achieve fast delivery for customers.

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 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+ m<sup>2</sup>

## 2022

Increase production capacity layout, "Integrated Molding super factory" project started, with an area of 178,000 m<sup>2</sup>

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

## 2008

Headquarters was established in Xiasha, covering an area of 50,000+ m<sup>2</sup>

## 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

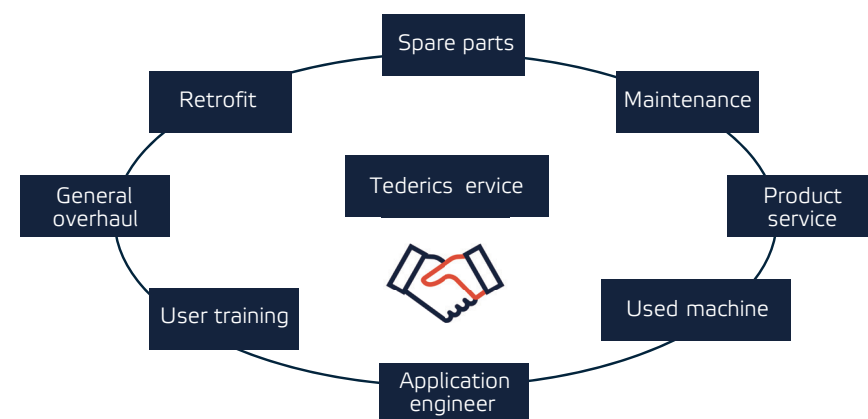
So far, Tederic machines have been in operation in more than 130 countries and regions.

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



# 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



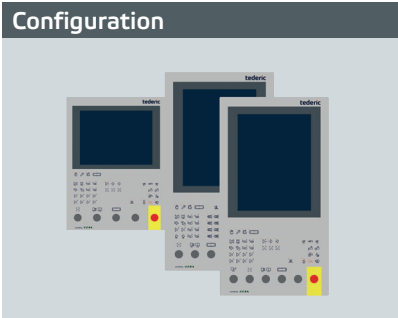
# NEO

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



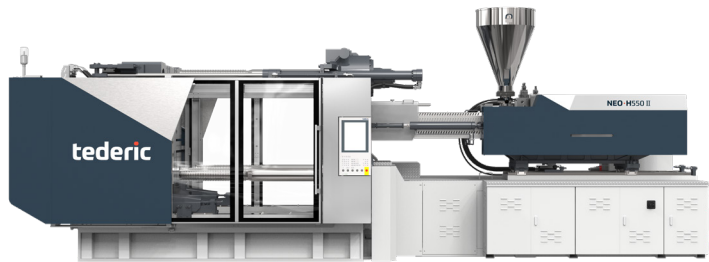
### Supported Languages



## NEO • T



## NEO • HII



## NEO • EII



## NEO • Mv



## NEO • Ms



# NEO·M

Multi-component IMM

NEO·M has industry-leading multi-color injection molding technology, flexible modularization, professional customized design, to meet your diverse process needs. Tederic continues to innovate and explore the possibilities of injection molding.

**NEO·Ms** Opposite injection IMM with horizontal rotary turntable  
Clamping force: 1120t – 3520t

**NEO·Mv** Multi-component IMM with vertical rotary turntable  
Clamping force: 1120t – 2820t

**Stable, Precise, Professional, Flexible**

## Main application sectors



Automotive



Home Appliances



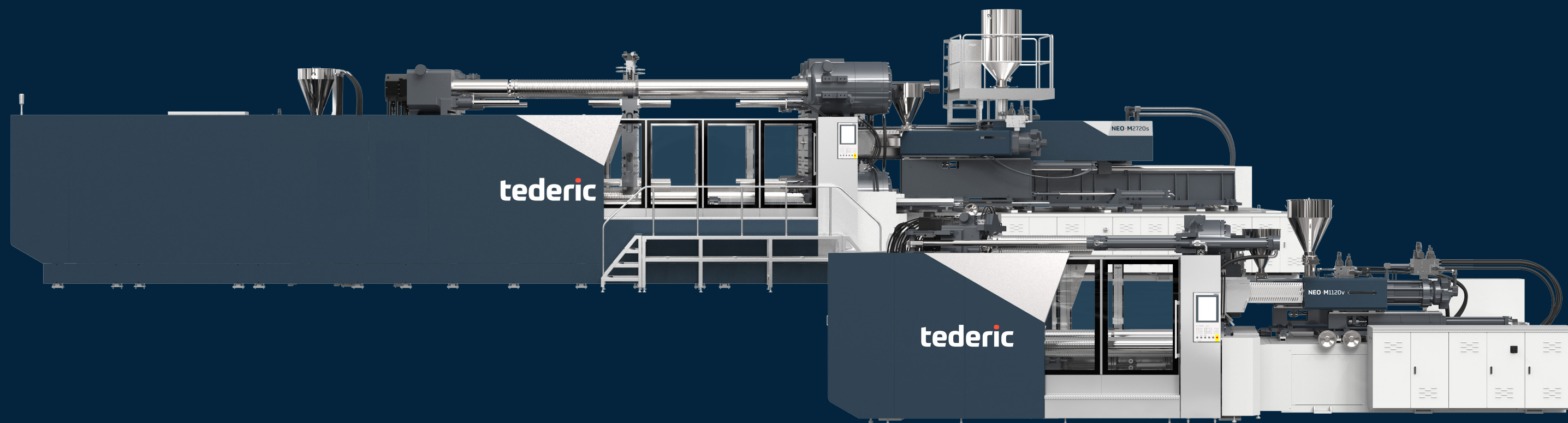
Logistics



Environment Protection



Electronic





# NEO•Ms

## Opposite injection IMM with horizontal rotary turntable

### Technical Advantages

- Combination of 2 platen and bilateral injection units, compacted multicolor solution.
- Heavy loading capacity upto 55ton(mid platen)
- Injection reciprocation precision  $\leq 0.3\%$
- Mold open/close reciprocation precision  $\leq 0.5\text{mm}$
- Flexible customization solution(Please consult sales staff for more details)
- Platen rotation precision  $0.01^\circ$

#### Opposite arranged two injection units

Two opposite hydraulic injection unit or electric injection unit can be equipped at the same time to meet the requirements of more products characteristics.

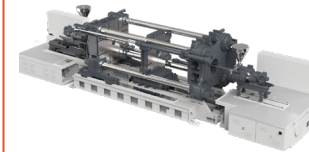
In addition, opposite injection unit moves synchronously with the moving platen, more efficient is achieved.

#### Exclusive Spinsure™-H horizontal rotary platen

Heavy-duty linear guide for the medium platen: supports heavier molds, lower friction resistance, and runs more smoothly.

The speed reducer and servo motor drive for the rotation of the medium platen: it can rotate larger and heavier molds, adapt to more special two-color auto parts molds, servo control is more accurate, and energy saving.

The medium platen movement is controlled by proportional valve to improve the accuracy of mold opening end position and repeated position.



#### Sub-injection unit can be matched

It can be equipped with Multimold™ multi-color technology to realize the function derivation of the machine.

#### Centralized lubrication device by manual pressure release for the carriage

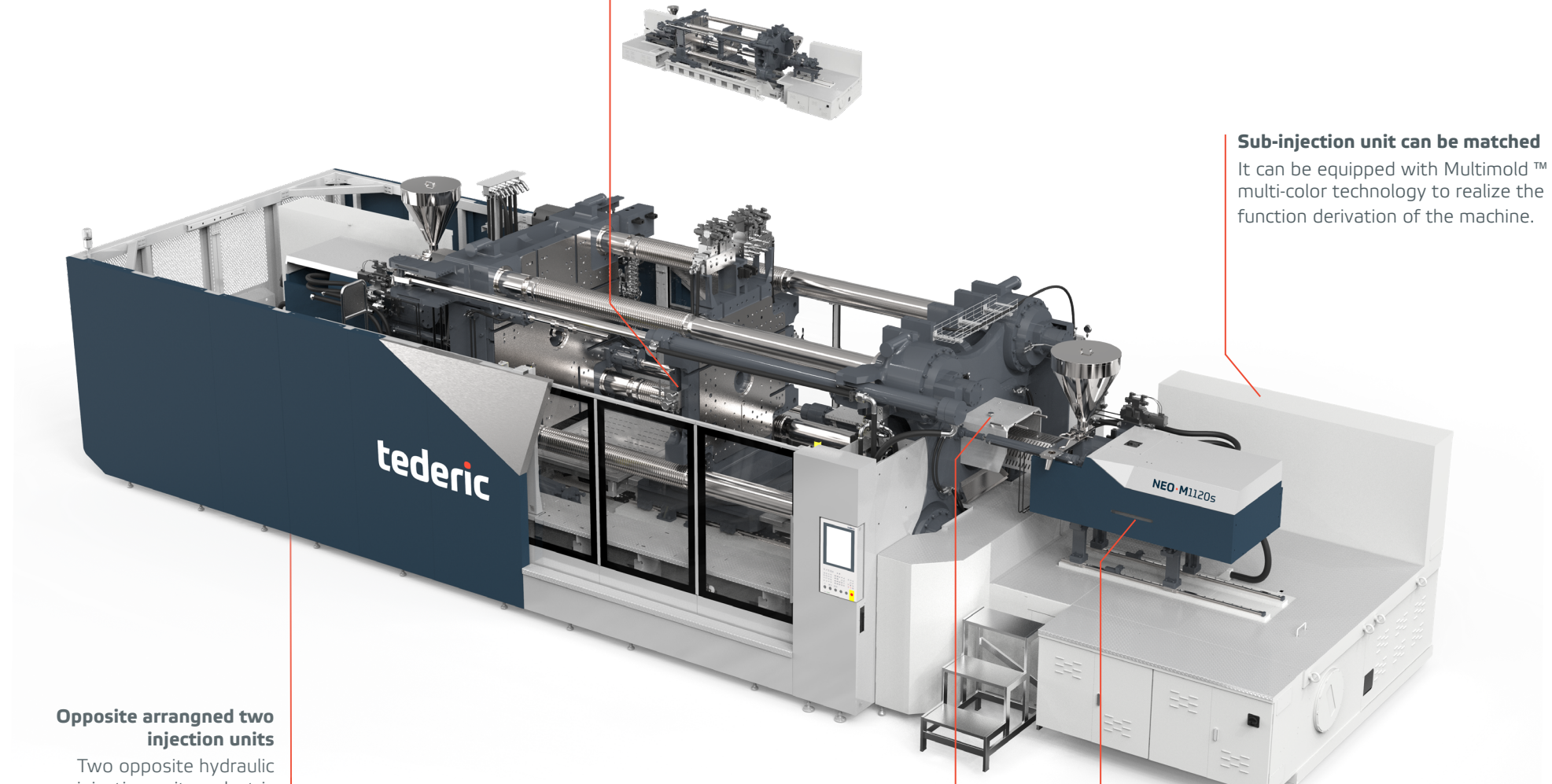
Manual lubrication pump with pressure release + detection type grease distributor, uniform layout and elegant.

#### Modular selection of injection unit

Electric injection unit: The repeat positioning accuracy of the injection position is up to 0.01mm.

Single-cylinder one-line injection unit: low injection resistance, low inertia and quick injection response.

Parallel injection unit: More stable injection, good sealing.



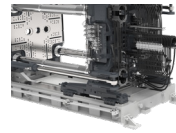
# NEO·Mv

## Multi-component IMM with vertical rotary turntable

### Technical Advantages

- Vertical rotation platen, Max diameter upto 2700mm
- Static pressure supporter, Max mold loading capacity upto 30ton
- More adaptability for mold size, suitable for giant auto molds
- Injection unit with modular design, upto 30 combination possibility and Max compatibility upto to 6 injection units
- Suitable for multicolor and multi-processing injection(e.g. Mable color/sandwich/multi layer etc)
- Platen rotation precision 0.01°
- Mold open/close reciprocation precision  $\leq 0.5\text{mm}$

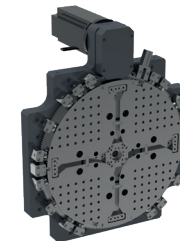
**Mid platen with torque tube**  
High durability/stability, easy maintenance



**Mid platen rotation by servo motor**  
High precision and multifunctionality

**Independent Spinsure-V vertical rotary platen**  
Vertical mold rotary platen can be an independent control unit, achieving modular design.

Easy to install, maintain, and upgrade customer's existed equipment.

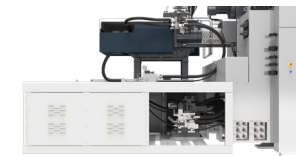


**Parallel injection units with adjustable spacing**  
The two sets injection units adopt single-cylinder, one-line injection structure, features precise and efficient running.

The space between the injection units is adjustable, which can adapt to various molds with different sprue distance.

The injection unit can be moved horizontally, and used as single color machine.

**Injection unit with proportional valve as standard**  
Reciprocation precision  $\leq 0.3\%$



**Static pressure support device for rotary platen**

Vertical rotary platen adopts static pressure support and claws to ensure the load capacity of the mold, which can realize heavier mold adaptation and ensure stable running of rotary platen.

