

New Benchmark

of Injection Molding Machine

Who is T.U.P?

Reliable and Durable injection molding machine manufacture



1984

Manufacture Started



500+

Employees Worldwide



6,000+

Annual Production Capacity



200,000m²

Total Production Area



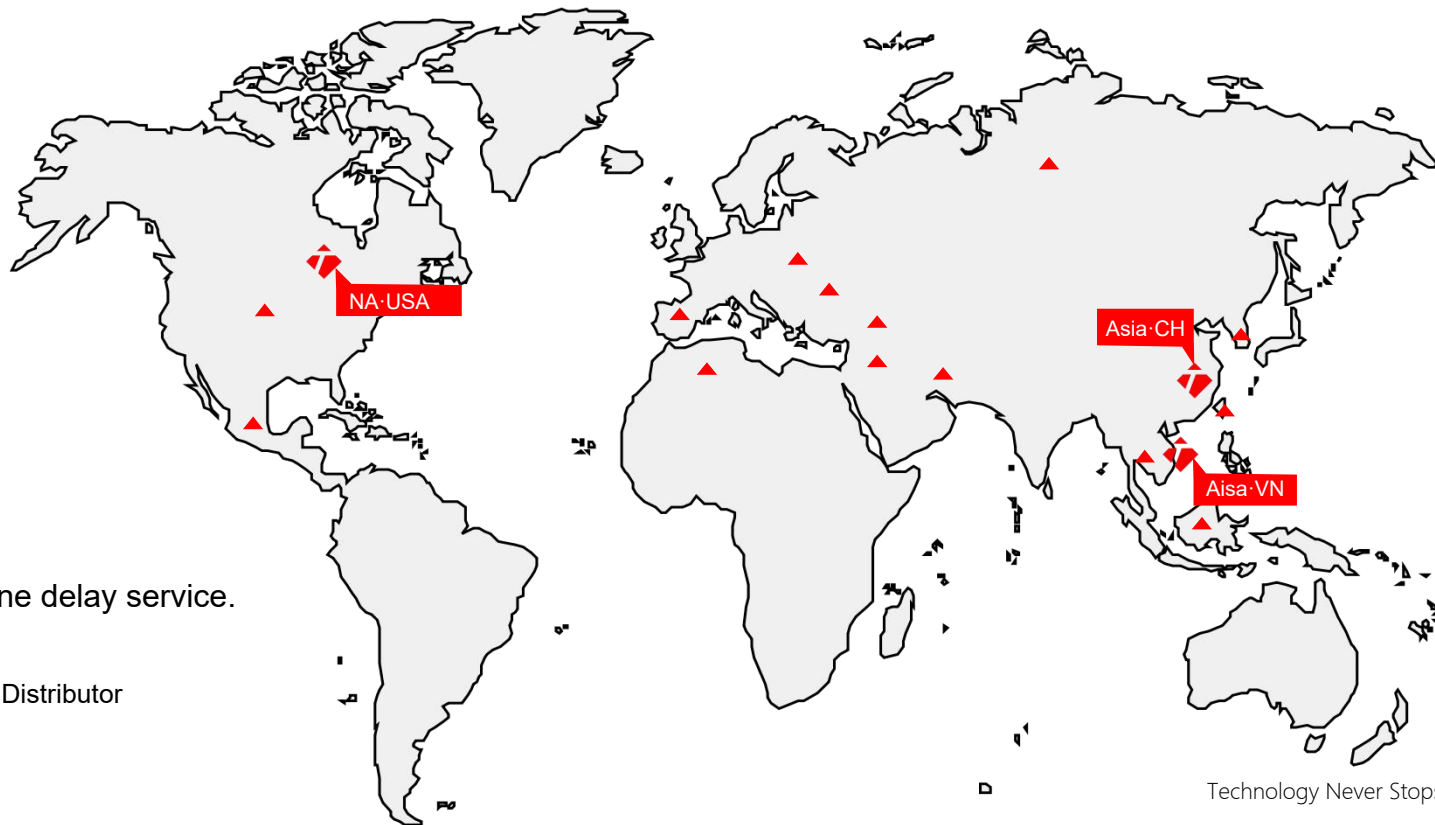
80,000+

Global Running Machines



Who is T.U.P?

To be **partnership** and to be **closer** with our customers as one of our strategies



40-years experience.

2 oversea Branches

24-hour with no-time-zone delay service.



T.U.P



Agent / Distributor

Why is T.U.P?

Reliable and **Durable** injection molding machine manufacture



✓ **40 Years Knowhow and Inheritance**

- Constantly upgrading and evolving, never stopping, never ending

✓ **Always rigid and strong machine design**

- With a long lifetime running concept, all the machines are mechanically strong and rigid designed.

Ex.: Machine weight of our ES450t is **67,240lbs** vs. **46,297lbs** from one of the other competitors. (45%↑)

Machine weight of our HS85 is **79,366lbs** vs **66,139lbs** from one of the other competitors (20%↑)

✓ **Strict Quality Control**

- We've been always focusing on the power of details, continuously improving standards and procedures, and pursuing the excellence.
- Key components are manufactured in-house.
- All the machines would be completely well tested on both quality and performance before being delivered to customer.

✓ **T.U.P Mission**

- To consecutively bring values by offering reliable and durable injection molding machines and solutions with higher efficiency and lower cost.

Why is T.U.P?

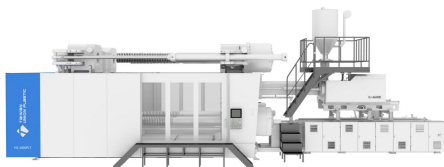
High quality injection molding machines with full line



UN
Servo Hydraulic Series
90-2,900t



ES
Full Electric Series
120-450t



IHS
Two-Platen Series
450-6,600t



HD
Multi-Component Series
160-3,300t

Servo-hydraulic Series – UN PREMIUM

A premium reliable and energy-saving machine for most standard applications



Technologies:

- Reinforced Machine Design
- Central Servo Pump
- KEBA 15" Touch screen
- Linear Guide for Movable Platen (<1200t)
- Linear Guide for Injection
- Electric Plasticizing (Charging)
- Infrared Barrel heating
- Swivel Injection Unit (<500t)
- Close loop control of clamping force
- Remote diagnose
- Industry 4.0 ready



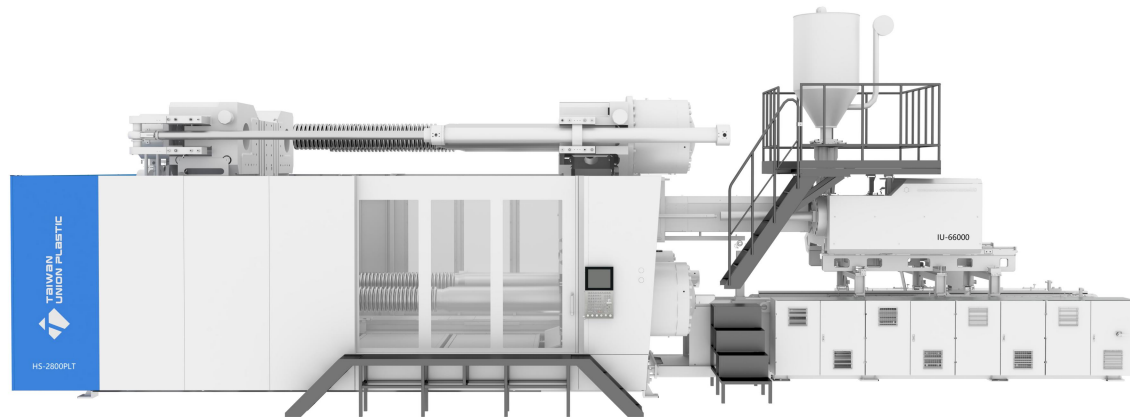
Clamping force: 90 – 1,800t

Two-platen Series - HS

A very compact and high-performance machine, the best for big parts with big machines

Technologies:

- Strong and rigid machine design
- Central Servo Pump
- KEBA 15" Touch screen
- Linear Guide for Movable Platen (<1200t)
- Linear Guide for Injection
- Electric Plasticizing (charging)
- Infrared Barrel heating
- Fast barrel change system
- Half-ring design of clamping piston
- High system pressure design (24 MPa)
- Remote diagnose
- Industry 4.0 ready



Clamping force: 450 – 6,600t

Full-electric Series - ES

An extremely reliable, precise, clean and energy-saving machine

Technologies:

- Fast cycling application-oriented design
- Fast injection speed: Up to 800mm/s
- Linear Guide for Movable Platen
- Extra cross head guidance
- Double ejection ball screw
- Linear Guide for Injection
- Infrared Barrel heating
- Fast barrel change system
- Temperature monitor for ball screws
- Special process standard: ICM, Venting,....
- Remote diagnose
- Industry 4.0 ready



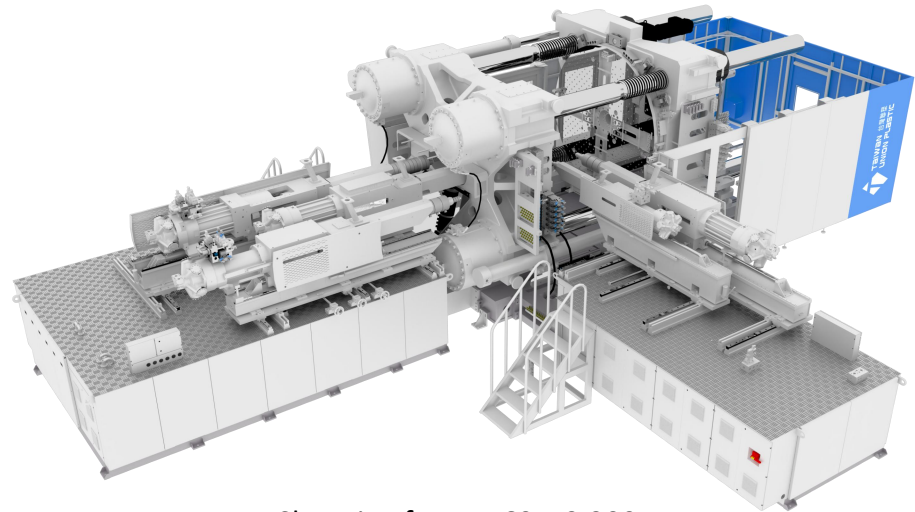
Clamping force: 120 – 450t

Multi-component Series - HD

A versatile, high-performance machine for multi-component applications with different technologies

Technologies:

- UN / HS / ES machine technologies
- Electric Rotary table
- Electric Lift & Turn (Index Plate)
- Versatile IU combinations
(P - V - L - R - W)
- Machine with up to 6 IUs
- Special process: Sandwich, Marbling ...



Clamping force: 160 – 3,300t

UN-E / HS-E

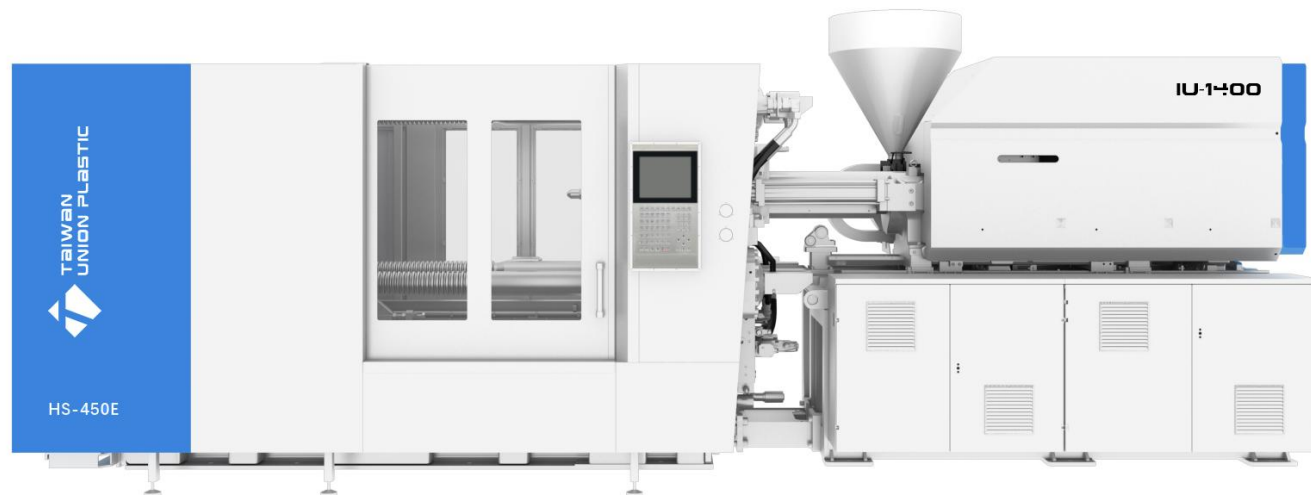
Best combination between precise injection with completely full electric injection and investment



UN-E – Servo Hydraulic with Full Electric Injection

UN-E / HS-E

Best combination between precise injection with completely full electric injection and investment



HS-E – Two-platen with Full Electric Injection

UN STANDARD

Economical servo hydraulic machine for general purpose applications with low investment



Technologies:

- ✓ Central Servo Pump
- ✓ KEBA Controller
- ✓ Linear Guide for Injection
- ✓ Remote diagnose



Thank You



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