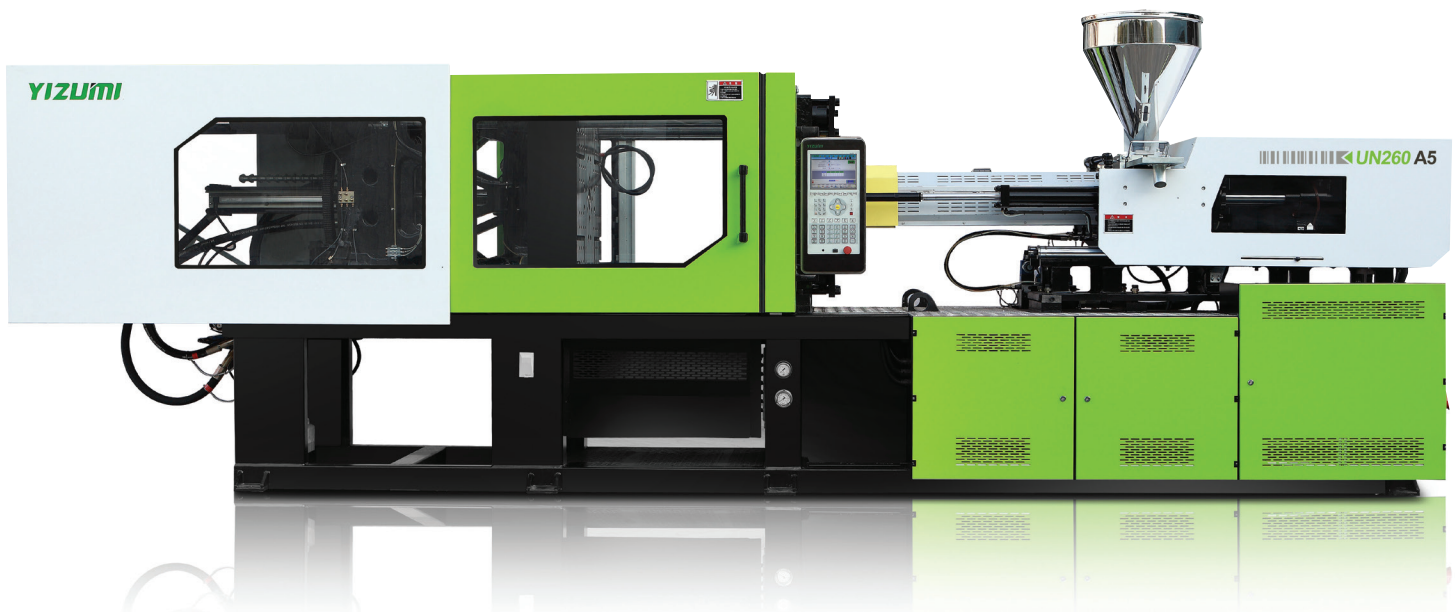


A WORLD OF PRODUCTIVITY

Injection Moulding Machines
60–3400 tonnes clamp

RANGE OVERVIEW

YIZUMI



Yizumi Injection Moulding Machines

Welcome to a world of productivity

Yizumi is one of the world's leading manufacturers of injection moulding machines, with over 2,500 employees and operations in more than 60 countries around the world.



Founded in 2002, Yizumi has grown into a global success story and manufacturing giant in under 20 years. It was the first moulding machine manufacturer to be listed on China's Shenzhen Stock Exchange and continues to gain an increasing share of the global machinery market.

Yizumi's success is based on meeting the needs of local manufacturing businesses on a global basis. Compliance with international quality standards and legislation are at the core of Yizumi's manufacturing strategy.

Here in the UK, we at STV Machinery Ltd are proud to be associated with a world leader such as Yizumi.



A comprehensive machine range to fit your needs precisely

The Yizumi range includes general purpose, all-electric and two platen machines, to cover virtually any injection moulding application.

From versatile 60 tonne machines right up to the top-of-the-range 3400 tonne DP Series two platen machine, every Yizumi injection moulding machine offers an unbeatable combination of productivity, reliability and value-for-money.

All Yizumi machines feature state-of-the-art European control systems as well as a host of other top quality European-made components including valves, seals, transducers and switchgear.

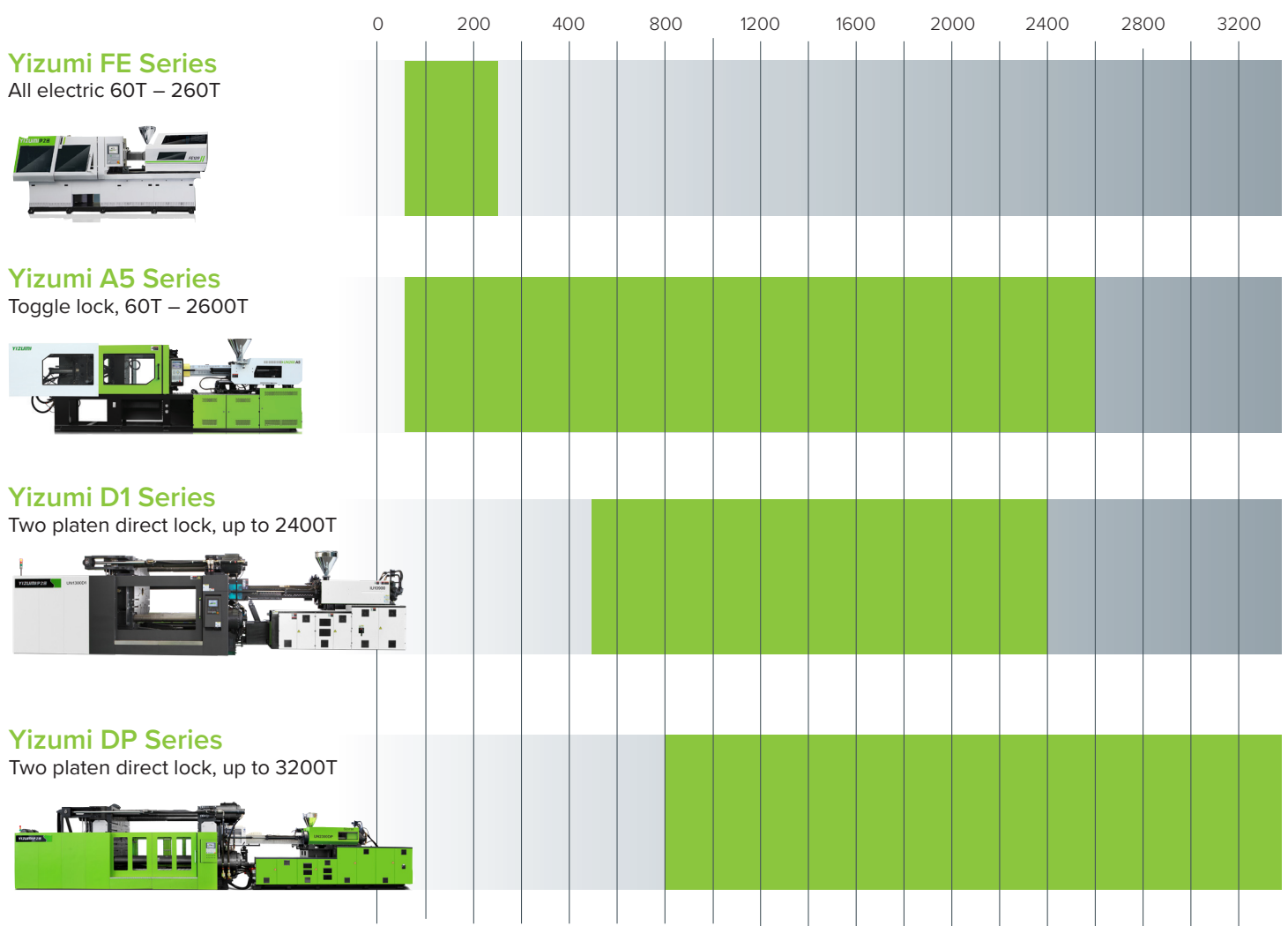
This focus on European components is the result of Yizumi's R&D and manufacturing policy of benchmarking

designs and product performance against the best that Europe and the world has to offer.

To compete and win in global machinery markets, there is no room for compromises on quality.

The four different models within the Yizumi range are all built to the same exacting standards and are covered by warranties that are upheld by the company's global partners, including STV Machinery Ltd in the UK.

Yizumi machine range clamping force (tonnes)

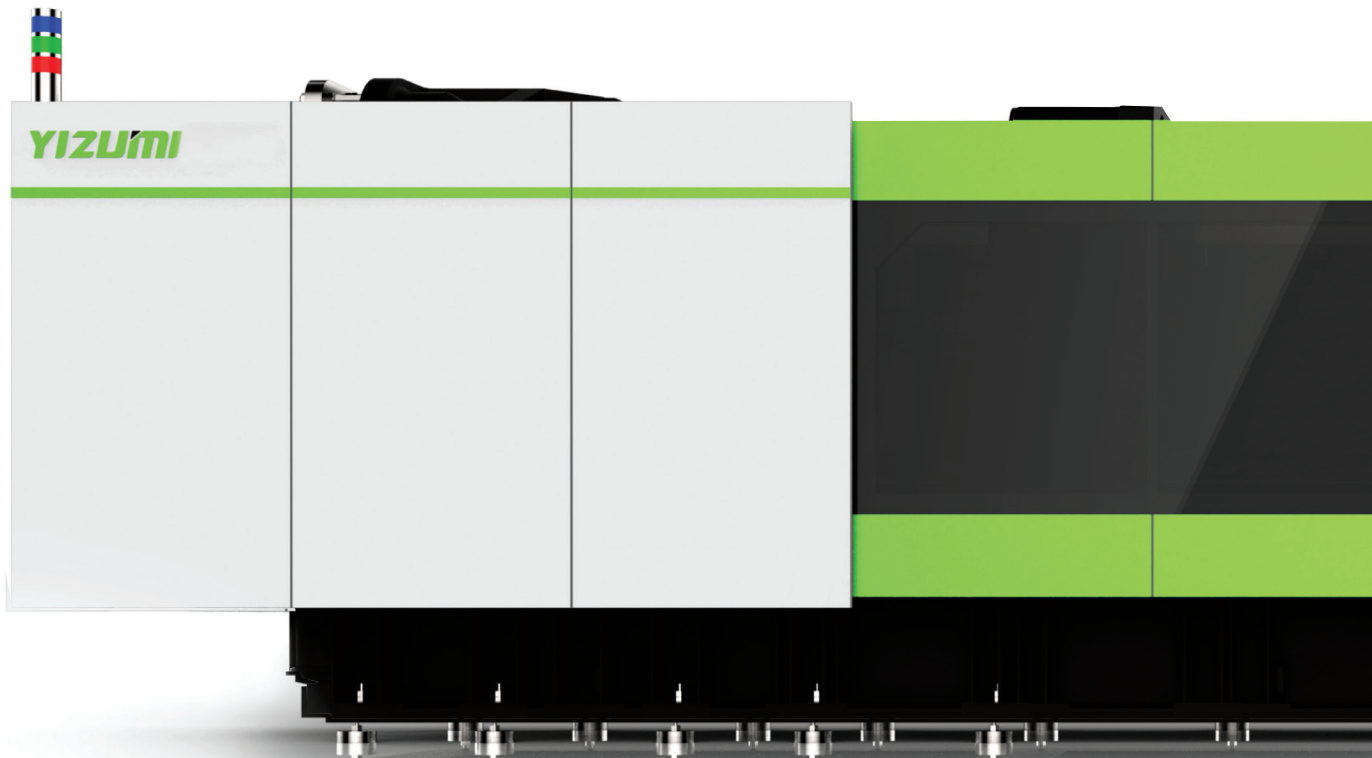


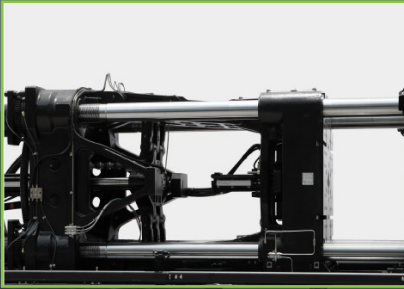
Yizumi A5 Series

Designed and built to European standards, Yizumi's A5 Series is a versatile, reliable, servo injection moulding machine that makes high precision and energy efficiency more affordable.

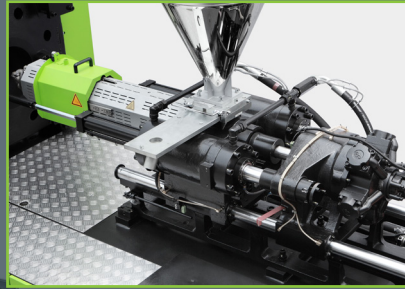
High-end features as standard

- World famous Austrian-made KEBA 1075 Microprocessor control
- Control of oil & barrel throat temperature via KEBA 1000 controller
- Semi-auto start button on a flying lead with magnetic base
- Injection hold changeover by time, distance or pressure
- European-made linear transducers, seals, hydraulic valves & switchgear
- Back pressure controlled by proportional valve
- Water manifold with 6 circuits
- 2 x air-blast circuits with pneumatic valves
- Double core pull
- Euromap 67 interface
- Ejector safety circuit
- Oil preheating circuit
- Servo motor energy saving pump system
- 3 x three phase auxiliary sockets
- CE certification
- Anti-vibration mounts
- Tool kit, mould clamps & spares package
- Warranty supported by STV Machinery in the UK & EIRE





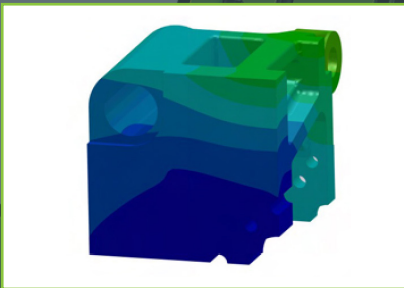
The Yizumi A5 Series features a robustly engineered toggle clamping mechanism



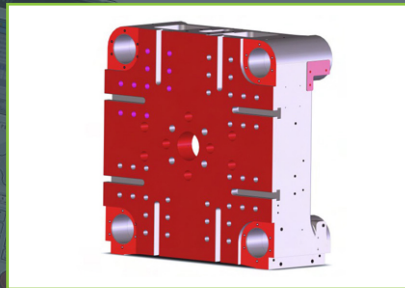
Optimised injection unit design increases rigidity and enhances stability and precision of injection



Two carriage pistons – ensures reliable operation over an extended working life



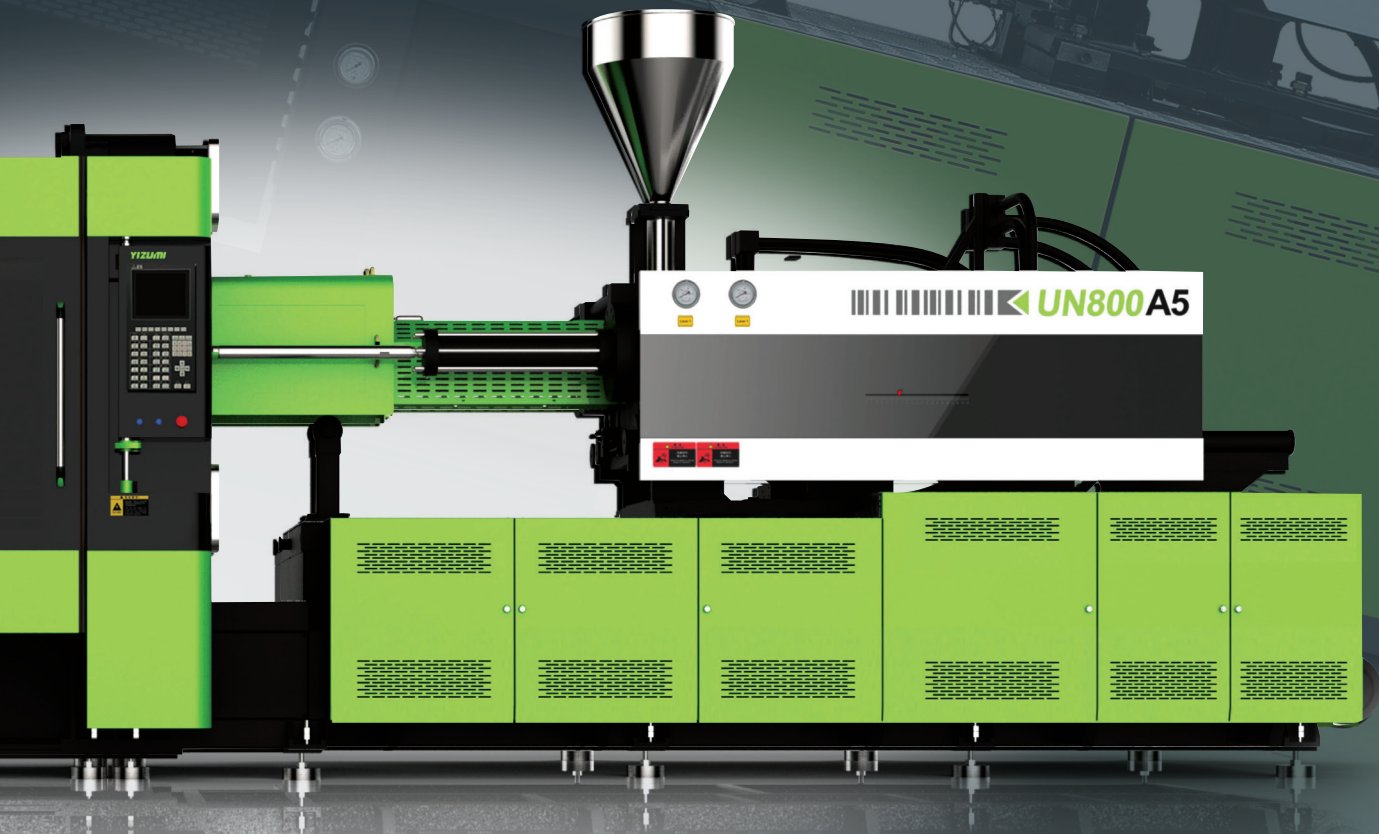
The design of the clamping mechanism achieves evenly distributed forces, resulting in minimal deformation of platens



T-slot platen design extends platen life and makes mould changes easy and convenient.



3rd generation servo system uses 30 - 80% less energy



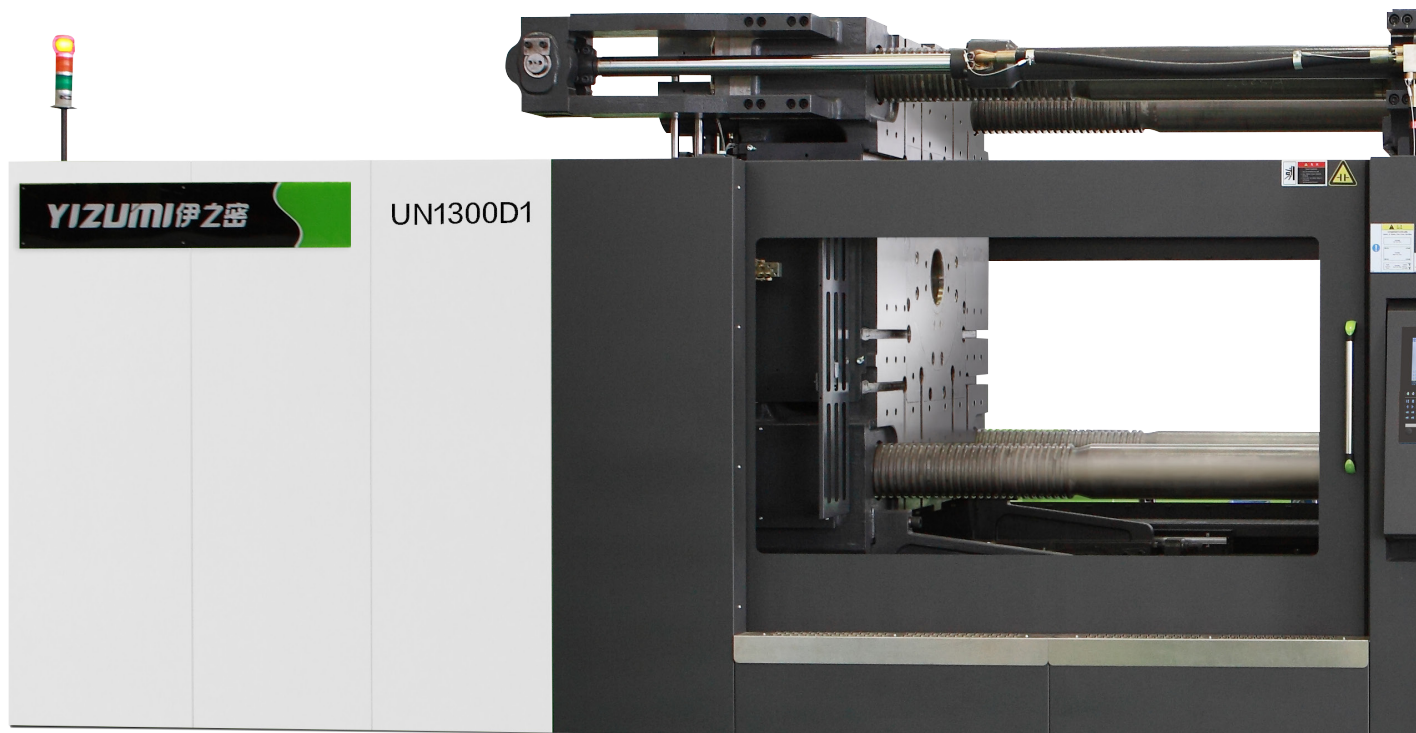
Two Platen Injection Moulding Machines 500 – 2400 tonnes clamp

Yizumi D1 Series

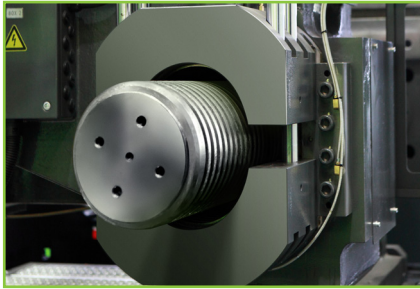
The D1 series is a two-platen machine offering high efficiency, precision and reliability. This design of machine offers large tie bar spacing in a compact footprint with fast cycle times.

High-end features as standard

- European, oil-cooled, two-headed motor-driven servo drive delivers fast response and maximise energy efficiency
- Austrian KEBA control with dual CPU is stable, fast & accurate with 12" TFT colour touch screen display
- Based on European design technology
- High rigidity clamping unit delivers stability & accuracy, combined with uniform stress distribution on the tie bars
- Rexroth highly responsive dual proportional valves on clamping unit offers accurate repeatability
- Mould open position accurate to $\pm 0.2\text{mm}$
- Tie bars independent of moving platen offers precision & speed
- Small footprint compared to traditional three platen design
- Durable ceramic heater bands
- Time, position or pressure switchover for holding phase start
- European oil seals & guide rings
- Double core pull
- Double air blast circuit
- Euromap robot interface & Euromap mounting
- Precise filtration and independent cooling system

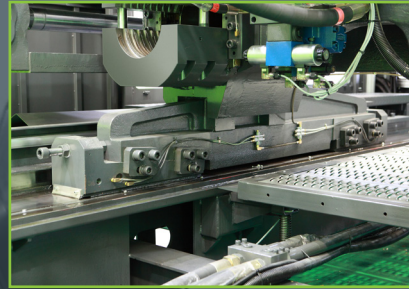


Impact-cushioning synchronized lock nut closing is fast and more reliable.

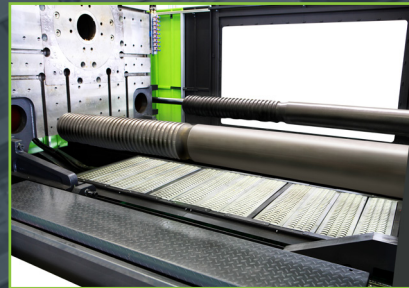


Options

- Synchronous ejection and core pulling
- Magnetic platen
- Hot runner interface
- Bi-metallic screw & barrel
- High-response accumulating servo injection system
- Plasticising during mould opening
- Multiple sets of core pull or unscrewing devices with electrical interfaces



High-rigidity L-shape guide rails on machine frame, with guiding precision up to 0.05mm, facilitate fast and steady motion of platens.



Wear & corrosion resistant tie bars with uniform stress distribution.



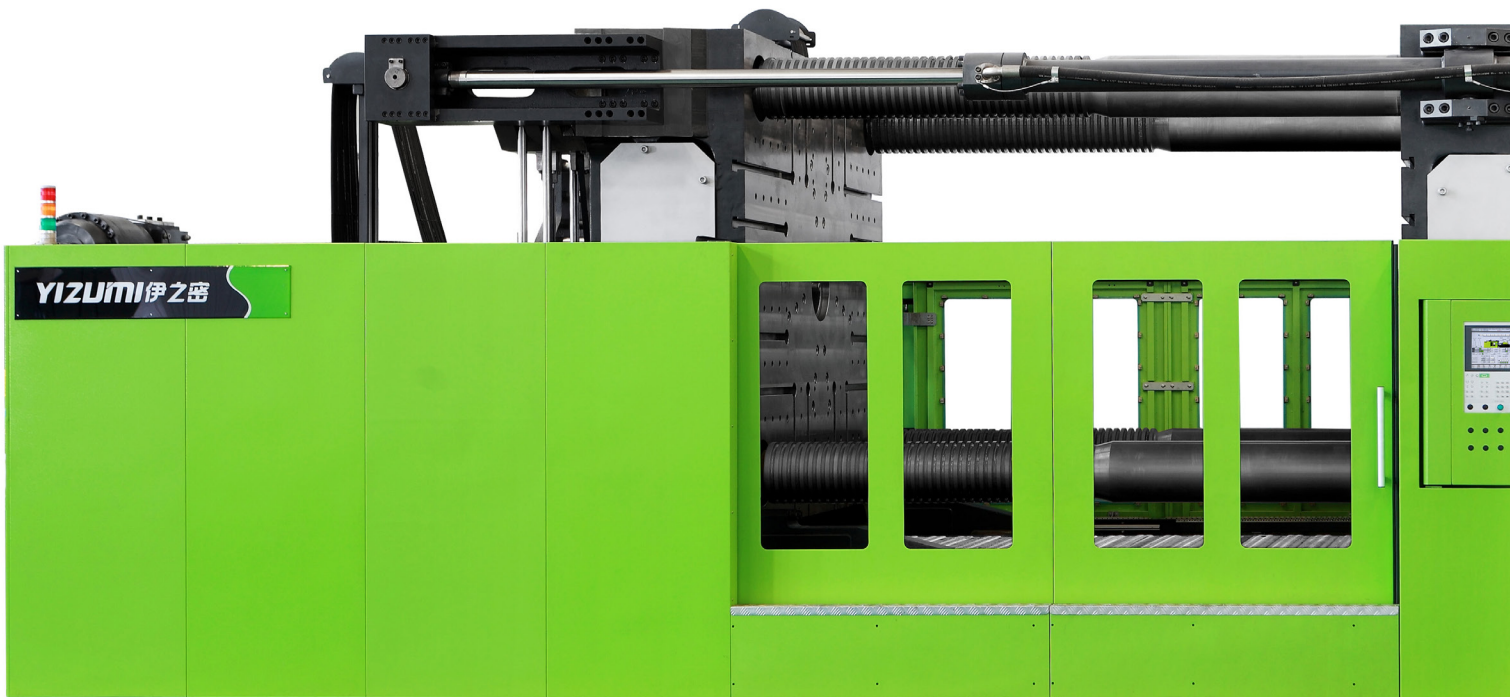
Two Platen Injection Moulding Machines 800 – 3400 tonnes clamp

Yizumi DP Series

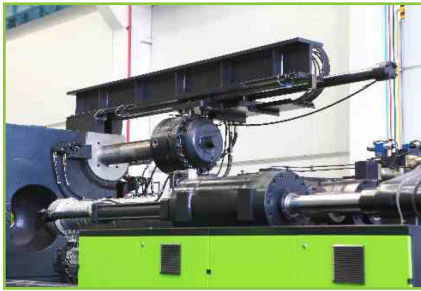
The DP series is a dual platen machine designed to be highly customisable to suit a wide range of applications. With many combinations of clamp unit and injection unit available, the DP series is ideal for use with products requiring high quality, high precision and the latest moulding innovations – all while maintaining efficiency and maximising value.

High-end features as standard

- Japanese Yuken dual displacement piston pump with servo drive and servo motor saves between 20% and 60% energy compared to a variable displacement pump
- User friendly and renowned Austrian manufactured KEBA controller
- Non-contact magnetostrictive sensors used for measuring position
- High-rigidity T-slot platens
- Easy-to-maintain open ejector cylinder design
- Diagonally located high-speed cylinders for faster mould opening and closing
- Sliding shoes designed specifically to support large moulds with two thirds of the mould weight taken by the moving platen
- Short stroke high-pressure cylinders offer fast pressure build-up and mould protection
- Non-contact design between tie bars and movable platen for lower maintenance
- Ceramic heater bands
- Low-speed high-torque hydraulic motor for screw drive
- Large area safety foot plates aid access
- Swivelling injection unit shortens the time spent on plasticising unit maintenance

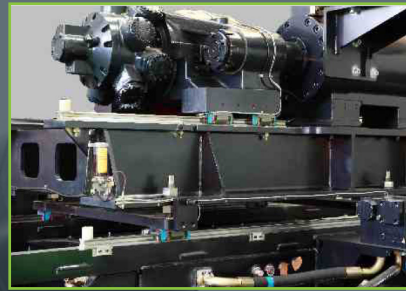


Tie bar pulling device, magnetic platen device and quick mould change system are available as options



Options

- Pump and motor unit can be specified to suit the application if required and can lead to further gains in efficiency
- Tie bar pulling, magnetic platens and quick mould change systems available as options
- Optional accumulator assisted injection
- Specific screws for processing different materials can be specified to suit the application

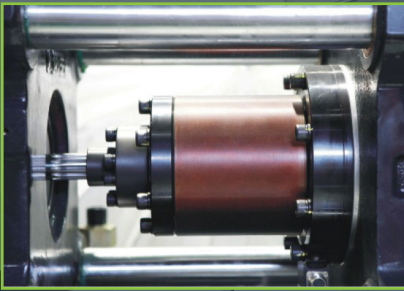


High-rigidity supports and precision linear guides ensure high injection repeatability

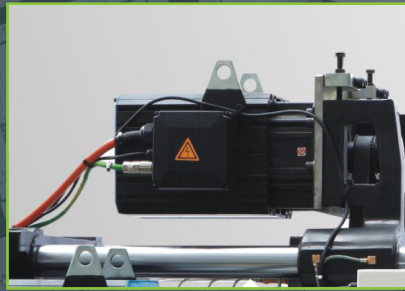


A simple reliable and compact structure, facilitates lower maintenance costs and shorter dry cycle times

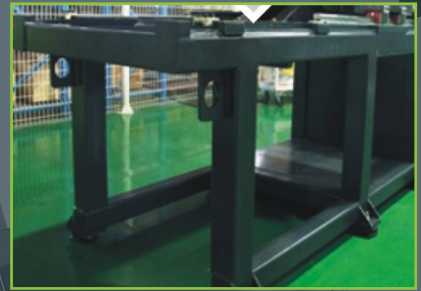




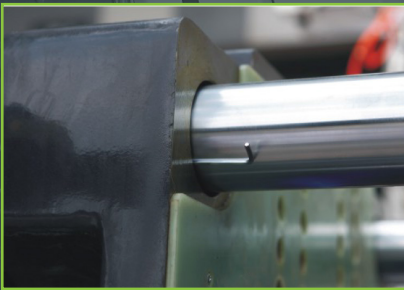
Optimised injection unit structure



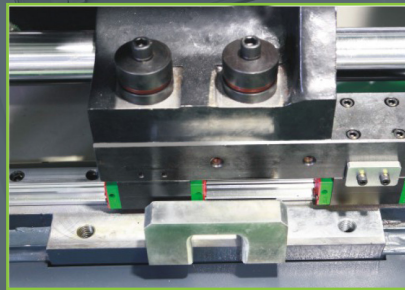
Precision control of velocity and position



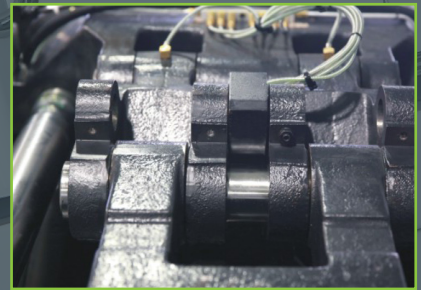
Rigid machine frame



Non-contact tie bar design



Innovative moving platen design



Optimised clamp unit design



All-Electric Injection Moulding Machines 60 – 260 tonnes clamp

Yizumi FE Series

All-electric machines have become increasingly popular in recent years, particularly in market sectors such as connectors, medical products, auto parts and optics. The development and design of the FE series was benchmarked against Japanese technology throughout and includes high quality components for reliability.

High-end features as standard

- Up to 70% energy savings compared to conventional hydraulic machines
- High precision servo drives
- Top quality and highly rigid frame ensures durability with fast cycle times
- Negative rake angle five-point double toggle structure offers excellent motion performance, low energy consumption and high speed efficiency
- Austrian-made KEBA control system
- Warranty supported by STV Machinery in the UK & EIRE



World Class Machines Outstanding UK Support

Yizumi customers all over the world benefit from the highest levels of support. Here in the UK, Yizumi machines are available exclusively from STV Machinery Ltd – a well established machinery supplier with a close working relationship with Yizumi’s research and development, manufacturing and customer support facilities.

Investing in capital equipment is a big decision, for any manufacturing business. You need to be certain that you’re making the right decision and that your investment will provide the returns you expect.

Look at the evidence before you buy. Yizumi has grown to be one of the world’s leading injection moulding brands in under twenty years, with thousands of machines operating throughout Asia, Europe and the Americas.

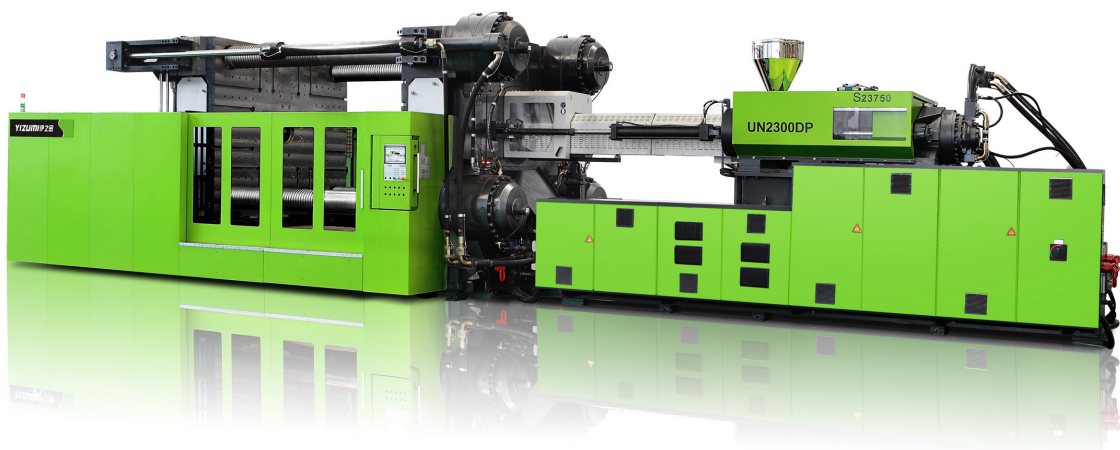
So, while you may not be familiar with the brand here in the UK – yet – be assured that you’re buying into a well-proven winning global formula.

Equally importantly, UK & EIRE Yizumi customers get the reassurance of full factory-backed support via STV Machinery Ltd: a moulding machinery specialist with a

successful twenty year track record serving customers from small family-run trade moulders, to major global OEMs.

Through STV Machinery Ltd, you can be sure of:

- Fully trained in-house service & maintenance teams
- Informed, expert technical support
- UK stocks of selected spare parts supported by fast-track deliveries from Asian and European stock.
- Life-cycle support from mould trials and machine commissioning, to regular planned maintenance
- Additional support services, including integration of ancillaries to streamline your manufacturing



Learn More About Yizumi Information Page

Yizumi Precision Machinery Co Ltd was founded in Guangdong, China in 2002. It has since spread its wings all over the world. Specialising in the moulding equipment manufacturing industry, it offers a one-stop solution as an equipment supplier, integrating the functions of design, research and development, manufacturing, sales and customer service.

Occupies a land area of nearly
300,000
sq.m

More than
2,700+
employees

More than
100+
prestigious accolades

5
major commercial divisions

Invested
£10M+
in R&D

30+
overseas agents

Present in more than
60
countries and regions

More than
200+
patented technologies



Yizumi were the first moulding equipment manufacturer to be listed on the Shenzhen stock exchange. Since the company's inception, structured expansion has been of the highest importance.

The company stats are pretty mind boggling by European standards, three production sites totalling 195,000 sqm producing 7000 machines a year. Several of our team have been to inspect the production facilities and they are of top quality, using the latest equipment.

Today, Yizumi has facilities throughout the world ensuring that each customer benefits from a rapidly expanding servicing, parts and knowledge network. Yizumi have a target of increasing annual overseas sales by an average of 25%, we're pleased to be able to support this effort.

STV Machinery is the first point of contact for any service requests in the UK and our in-house engineering team are available to offer immediate advice if required, but it's nice to know there is an entire support structure if required.



Yizumi machines are supplied with the world renowned KEBA control system.

KEBA
Automation by innovation.

Each staff member of Yizumi is called
'Yi Ge'

Yizumi is a Japanese word that means
'Spring'

Additional Information
www.yizumi.com

Testimonials UK & EIRE Yizumi

Excellent Service

"Having purchased our 1st Yizumi machine we can confirm that we are extremely happy. The energy cost saving, efficiency and the quietness have impressed us. When we invest further in plant I am confident that Yizumi will be the natural choice. Service from start of purchase to installation was excellent 5 stars."

Gill Jakes - Bosworth Plastics

We've now got SEVEN Yizumi's

"Our first Yizumi was installed just over two years ago, the reliability of the machine and support from STV Machinery gave us the confidence to purchase six more as part of our ongoing expansion and investment program."

Nick Skidmore - Fenton Precision Engineering

Yizumi UN120A5

"This is an important upgrade for us as we have struggled to find the right machine for our specialised production. Yizumi and STV Machinery not only understood these requirements, but they have accommodated these bespoke specs and delivered them. Combined with tooling upgrades we are achieving our targets on productivity with a 13-20% improvement and reduced energy costs. Our second machine has recently been installed with a major modification to accept our tooling and it's been running very well."

Adrian Youseman - CPP LM Limited

Timloc invest in FIVE Yizumi's, 120t – 1000t.

"Investment in state-of-the-art manufacturing equipment has been our agenda for a while now. The new machines will enable us to keep pace with the increasing demand for our products and allow us to expand into other new areas. We have recently launched InvisiWeep, our almost invisible wall weep and we plan to launch more new products in the coming months. The five new machines will help us do this."

Michael Leaf - Timloc Building Products

Two Yizumi 200 tonne machines are working well

"After an initial settling in period, the machine appears to be operating in a very stable and repeatable manner. We have had the machine commissioned and run – up with one of the most challenging moulds we have available and the machine has performed well thus far. The service from STV has been excellent, coming in and getting us operational as quickly as possible."

Customer - Wellingborough

Yizumi 400T & 60T at GLH Mouldings

"Very pleased overall with our purchase of the 400 tonne, STV were on the ball with commissioning as soon as it was offloaded, machine running faultlessly, low power consumption and currently running a tool that previously needed a 500 tonne machine. We've now purchased a 60T Yizumi as part of our continued investment"

Geoff Gibbs - GLH Mouldings Ltd

Very happy with our Yizumi

"Having already experienced the after sales support STV Machinery provide, our decision to buy a 200 tonne Yizumi machine was not a difficult one. We've had the machine since the start of 2018 and have been very happy."

Mumford Engineering Ltd



For further information about Yizumi machines, or to arrange a visit to our Northamptonshire showroom, please call us on 01933 27 27 47 or visit www.stvmachinery.co.uk



A WORLD OF PRODUCTIVITY



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