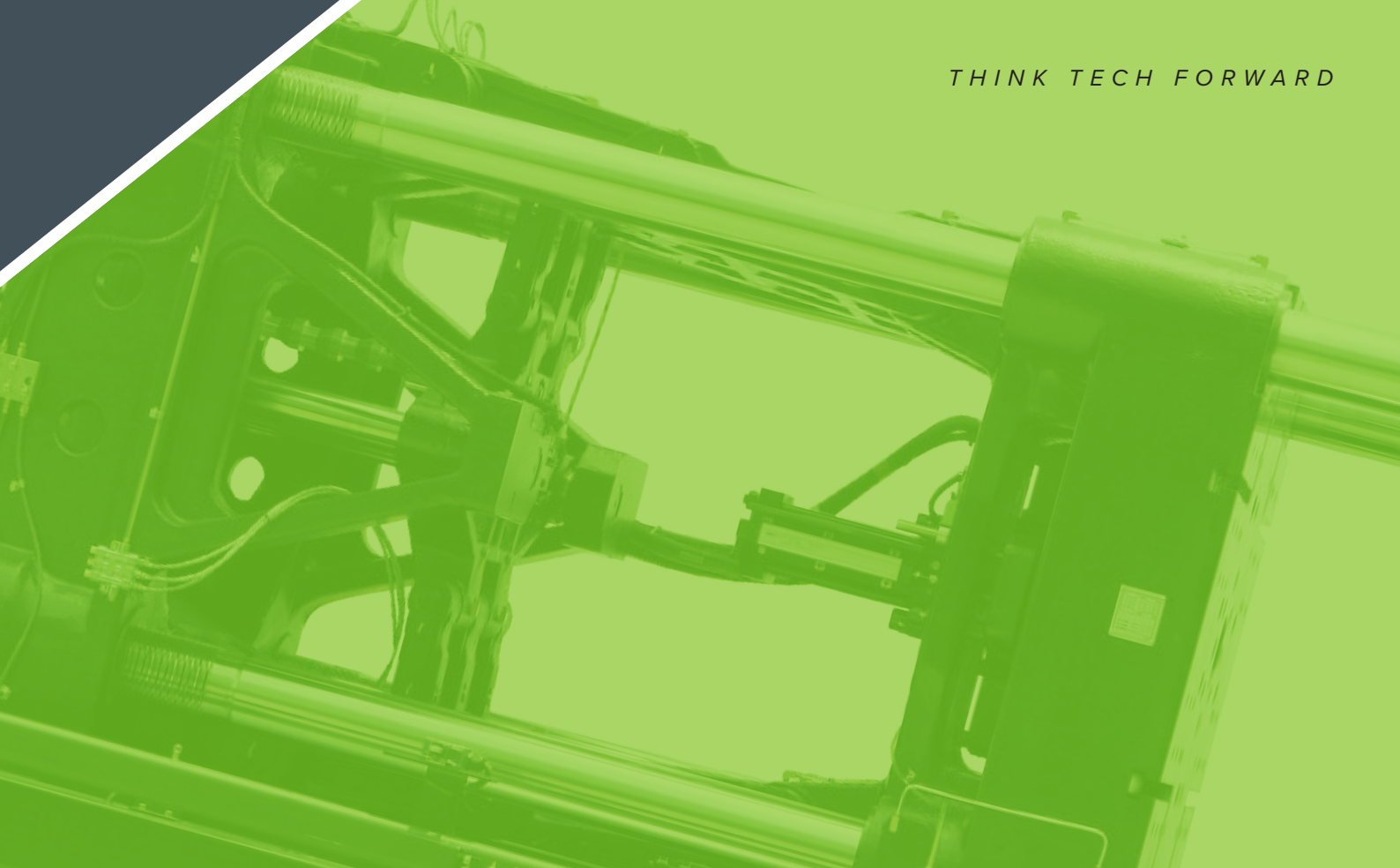


THINK TECH FORWARD



Injection Moulding Machines
15 - 4000 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 3,700 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 Yizumi, a world leader.



A comprehensive machine range to fit your needs precisely

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

From versatile 15 tonne machines right up to the top-of-the-range 4000 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.

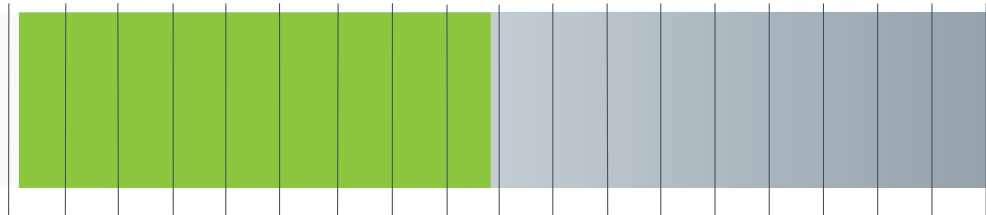
To compete and win in global machinery markets, there is no room for compromises on quality and service.

There are five different models within the Yizumi range which 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.

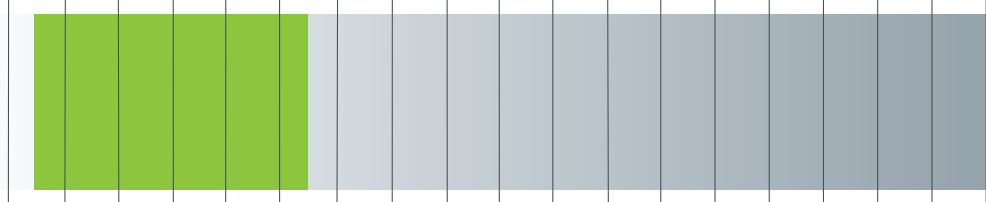
Yizumi machine range clamping force (tonnes)

0 200 400 800 1200 1600 2000 2500 3000 4000

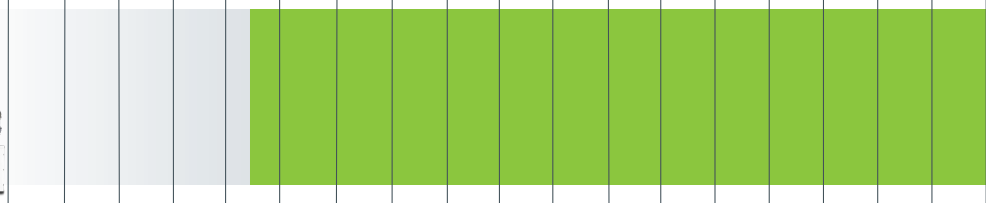
Yizumi FF Series
Hybrid / All electric 15T – 1380T



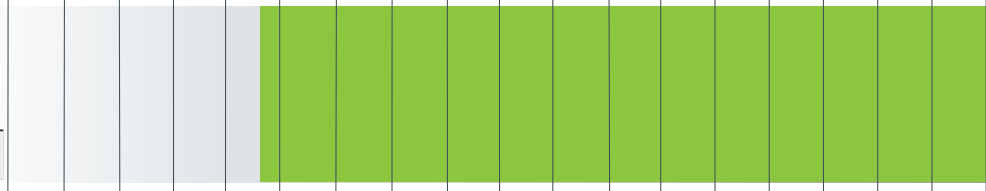
Yizumi A6 EU Series
Toggle lock, 60T – 700T



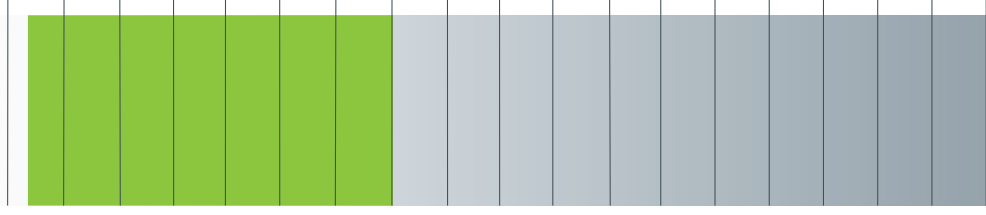
Yizumi D1 Series
Two platen direct lock, 500T - 4000T



Yizumi DP Series
Two platen direct lock, 550T - 4000T



Yizumi VM Series
Vertical machine, 20T - 1000T



Toggle Lock Injection Moulding Machines 60 – 700 tonnes clamp

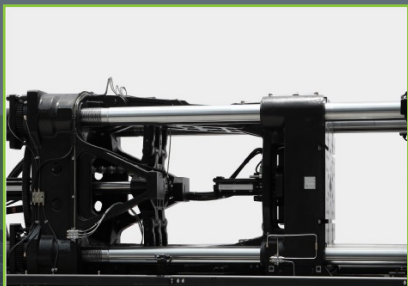
Yizumi A6-EU Series

The A6-EU series is an evolution of our most popular model, the A5-EU. With updated technology to support energy efficiency and productivity, the new model enhances Yizumi's competitiveness in the marketplace.

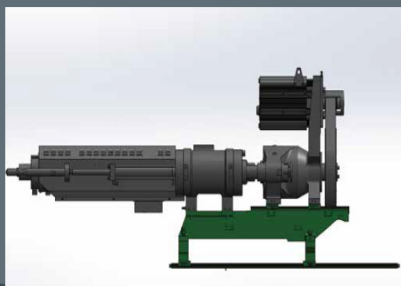
High-end features as standard

- Sector leading tie bar spacing across the entire range
- Caterpillar water supply to moving platen
- Latest generation servo driven hydraulic system with energy recovery system, maximising energy saving
- Control of oil & barrel throat temperature via KEBA controller
- Semi-auto start button on a flying lead with magnetic base
- European-made linear transducers, seals, hydraulic valves & switchgear
- Electric screw drive
- Injection hold changeover by time, distance or pressure
- 2 x air-blast circuits with pneumatic valves
- Double core pull
- Euromap 67 robot interface
- Signal for dosing including socket & plug
- Upgraded Austrian manufactured KEBA controller with larger screen and increased responsiveness
- Bi-metallic plasticising unit as standard
(ask us for specific, not all 'bi-metal' units are created equally)
- 4 x three phase auxiliary sockets
- 'Intelligent' management of crucial movements
- Anti-vibration mounts
- Tool kit, mould clamps & spares package
- Warranty supported by STV Machinery in the UK & EIRE
- Maintenance monitoring

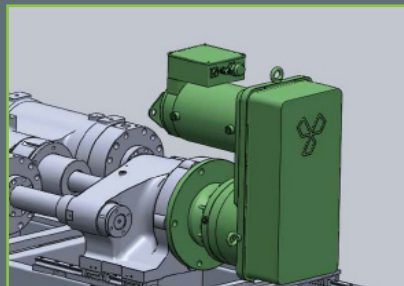




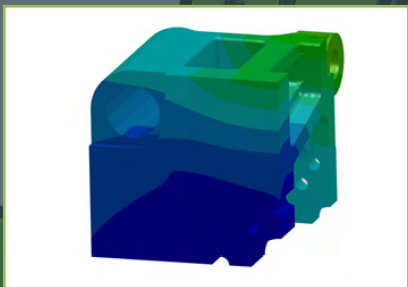
The Yizumi A6-EU Series features a robustly engineered five point toggle clamping mechanism with class leading tie bar spacing.



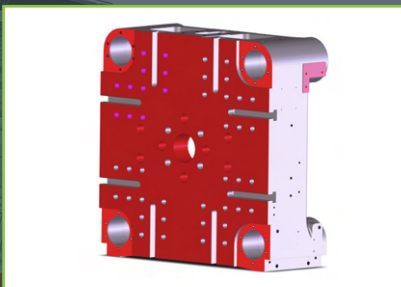
Optimised injection unit design increases rigidity and enhances stability and precision of injection.



Energy efficient electric screw drive as standard.



The finite element design of the clamp unit 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.



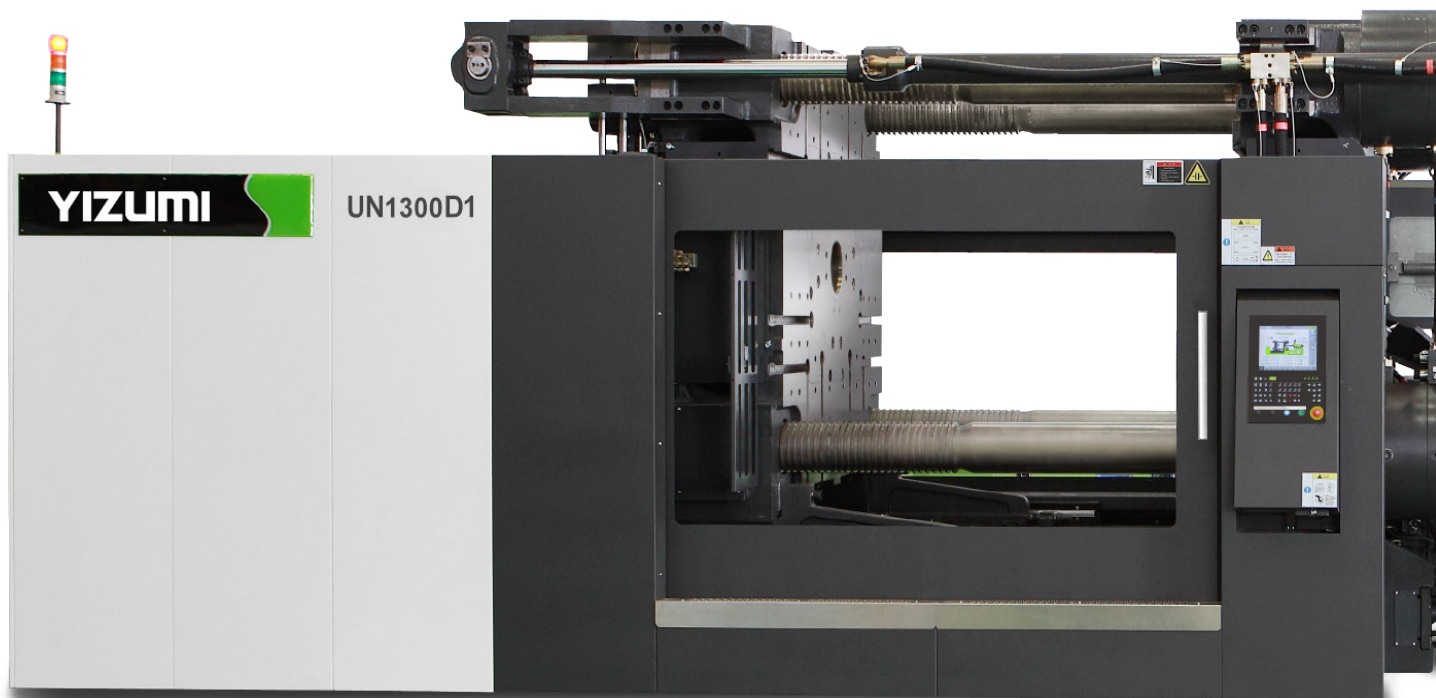
Two Platen Injection Moulding Machines Up to 4000 tonnes clamp

Yizumi D1 Series

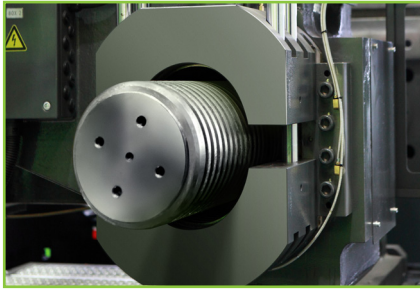
The D1 series is a two-platen machine offering high efficiency, precision and reliability. This design of machine offers large tie bar spacing in a compact footprint with fast cycle times.

High-end features as standard

- European, oil-cooled, two-headed motor-driven servo drive delivers fast response and maximises 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
- Double core pull
- Double air blast circuit
- Euromap robot interface & Euromap mounting
- Precise filtration and independent cooling system

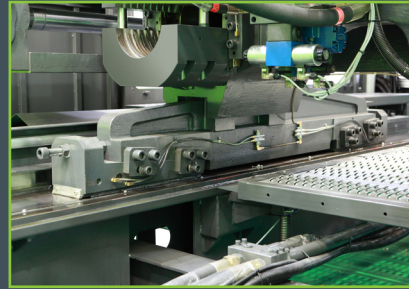


Impact-cushioning synchronized lock nut closing is fast and more reliable.



Options

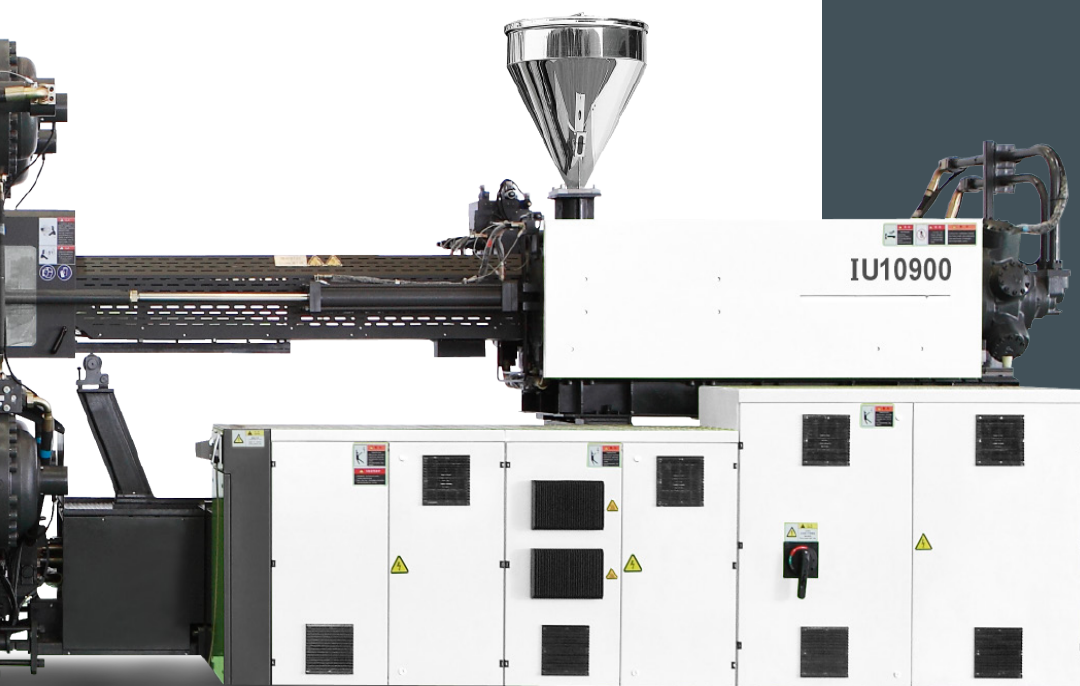
- Paralell ejection and core pulling
- Magnetic platens
- Hot runner interface
- Bi-metallic barrel & wear resistant screw options
- High-response servo-controlled accumulator injection system
- Plasticising during mould opening
- Multiple sets of core pull or unscrewing devices with electrical interfaces



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.



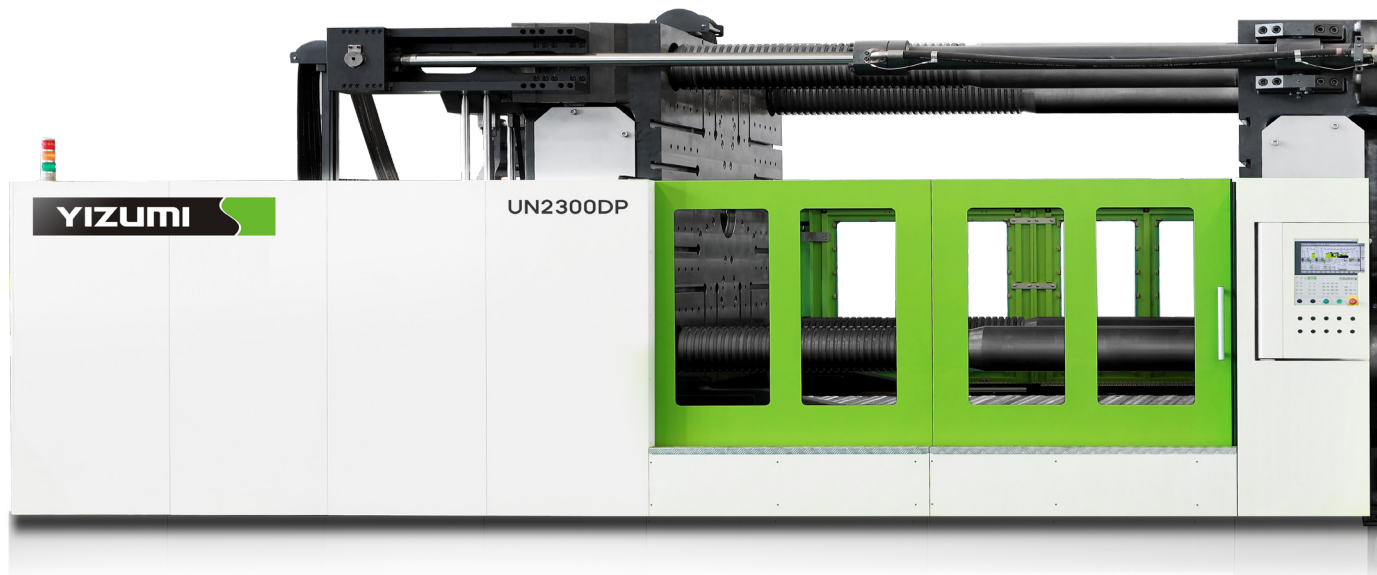
Two Platen Injection Moulding Machines Up to 4000 tonnes clamp

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 whilst small volume cylinders give rapid mould movements
- 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, magnetic platens and quick mould change systems 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



Precision linear guides for high repeatability.



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



Yizumi FF Series

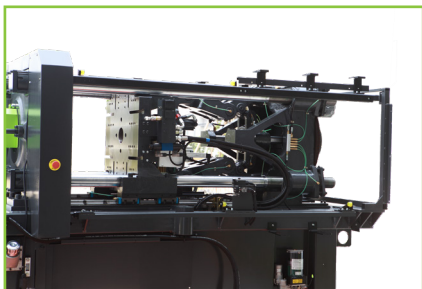
The hybrid, or all-electric, FF range encompass the benefits of electric drive with the practicalities of hydraulic operation, resulting in the perfect blend of efficiency and value. The FF series uses servo motors for absolute accuracy with the combination of hydraulic for linear movements such as carriage movements and core pull sequences. Optimising the drive method for the movement is where this range of machine really appeals.

High-end features as standard

- Three servo drives allow multiple parallel movements
- Servo hydraulics available for double cores, unscrewing, valve gate control, ejector and shut off nozzle
- Contact free tie bars give improved platen parallelism, reduced energy consumption and a contaminant free moulding area
- Modular design allows for a large combination of injection units and screws to be chosen for each machine size. Bespoke customisation of a machine for a particular application is possible
- 12-inch colour touchscreen control interface
- Intelligent mould protection
- Linear clamp bearings give a cleaner mould area
- High performance servo drives
- Highly accurate clamp movements with the servo drive control
- User friendly Austrian manufactured KEBA controller
- T-slot and Euromap fixing hole layout
- Top quality European sourced major components
- Industry 4.0 ready machines
- Double core pull
- Two air blasts
- Robot Interface
- Dosing signal
- 3 off 3 phase sockets & double UK 13A single phase sockets
- Tool kit
- Spares kit
- Set of mould clamps

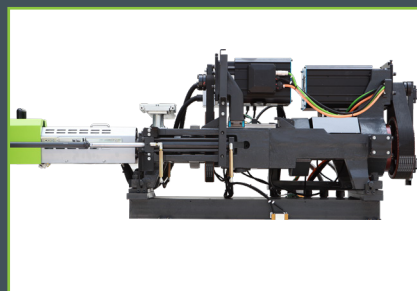


Fast and steady mould opening/closing speed with repeatability of positions $\pm 0.03\text{mm}$.



Options

- Bi-metallic plasticising unit
- Ejector can be upgraded to electric drive
- Gas injection interface
- Interface for magnetic platens
- Interface for mould cavity pressure transducer
- Increased maximum mould height option



Optimal drive technologies utilised for each movement on the injection unit.



The integrated design of the plasticising unit enhances overall rigidity.



Contact free tie-bars allow fast and stable mould opening/closing and significantly reduce energy consumption, minimising product contamination.

Sprue Pickers & Robots To suit 30 - 4000 tonnes moulding machines

Yizumi YR Series

The YR Series of robots has models to suit injection moulding machines with a clamp force ranging from 30 to 4000 tonnes.

With sprue pickers, single, three and five-axis robots available. The multi-axis servo controller has stacking, teaching and step-by-step adjustment functions. It also has the benefit of a real-time operation monitoring protection function to alarm and show the details of any issues to ensure machine safety.

High-end features as standard

- Universal end of arm tooling kit
- Two sets of clips & suction cups
- Open programming
- Conveyor indexing signal
- Precision servo drives
- Fully open modular design
- European concept based design
- High speed with high precision
- High accuracy transmission mechanism
- Low vibration and low noise
- Long service life

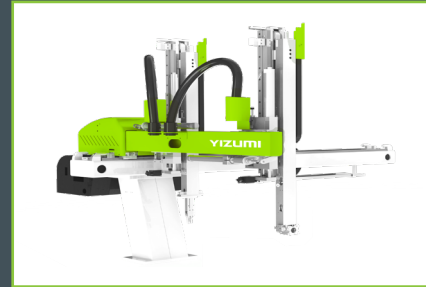




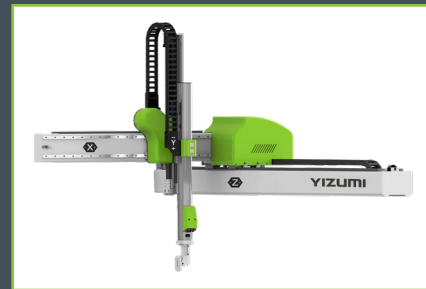
Colour touch screen control pendant.

Options

- Quick change end of arm tooling
- Sprue cutter
- Multi-set clip & suction circuits
- Select from forward and backward placement positions
- Lubrication system for guide roll
- Safety interlocked guarding can be supplied



Single-axis robot.



Three-axis robot.



Five-axis robot.



Pneumatic sprue picker.

About Yizumi

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.

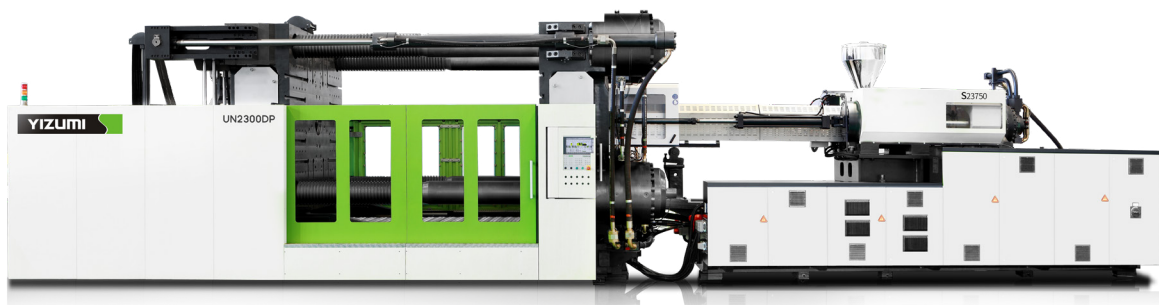
Look at the evidence before you buy. Yizumi has grown to be one of the world’s leading injection moulding brands in under twenty years, with thousands of machines operating throughout Asia, Europe and the Americas.

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
850,000
sq.m

More than
3,700+
employees

More than
100+
prestigious accolades

5
major commercial divisions

Invested
£20m+
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 2nd 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 EIGHT Yizumi's

“Our first Yizumi was installed just over five years ago, the reliability of the machine and support from STV Machinery gave us the confidence to purchase seven 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 TWELVE 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. These 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

Three machines 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



A great experience

"I would like to thank Richard and the team for the supply and installation of our new Yizumi 120EU. Machine is performing well so far and the whole buying experience was great and well managed. Nice little refinements like - tools, spares, water manifold arrangement, custom lubricant mods, doser signal fitted etc - all add up to a great experience. You deserve to succeed STV."

Customer - Wales



Brilliant Service

"We purchased a Yizumi machine around 2 years ago, the support and service from STV has been faultless and the machine performance has been exceptional. We couldn't be happier."

Robert Barker - Health Care Products Ltd

Further investment of 3 new Yizumi machines

"Having invested in our first Yizumi machine back in 2020 we were keen to expand our portfolio. Following the great service from the team at STV it was great to see how our facility finally took shape. Our new 700t machine was our most exciting addition to the business. . We look forward to continuing our relationship with STV moving forward and who knows what Yizumi machine may be next."

Jack Salmon - Glenlake International Ltd



Customised Yizumi

"We have 4 Yizumi machines at our sister factory in China. Based on their experience we contacted STV for a quotation and after some negotiation we ordered a 90t machine.

The purchasing and installation all went to plan and all the STV staff could not have been more helpful.

The machine has performed faultlessly since installing and based on this performance we have ordered a further 2 500t machines.

Thank you STV for the great service."

Ian Gilthorpe - Fusion Plastics

Several machines being put to work at Melton Plastics

"We have a Yizumi UN260A5 and are very happy with the machine. It was put to work instantly on a large project and has performed well on quality and repeatability since day one. The support from STV Machinery has been very good and we have recently taken delivery of a UN350A5-EU."

Jack Murdoch - Melton Plastics Limited

Yizumi UN260A5

"After obtaining multiple recommendations the choice was made to purchase a Yizumi UN260A5 from STV Machinery.

The machine has been in use for 2 years running 24 hours a day, 5 days per week. Since day one we have been absolutely amazed at the levels of performance and accuracy of the Yizumi.

I would definitely recommend both STV Machinery and Yizumi to anybody looking for good, reliable equipment at highly competitive prices and a second to none customer service."

Tomasz Zelawski - Hitachi Astemo UK Ltd

Who We Are STV Machinery

STV Machinery has been around since 1999 and was led by one of the plastic industry's most prominent figures, Karl Perry.

The business was originally started to provide refurbished BOY machines. Since 2009 we have been refurbishing all manufacturers moulding machines to a high standard and over the years STV Machinery has evolved to offer even more types of plastics equipment.

Our website is popular across all continents not just for new and used machinery, but also as a good source of information for those entering the industry. There are few places where such a variety of equipment can be looked at, particularly when you also consider our 'connect' section of classified adverts.

Richard Perry (Karl's son) joined in 2007 as Sales Manager which propelled the growth of the business and successfully diversified the goods and services available. A year later, STV Machinery moved out of the premises in Milton Keynes as a standalone business with its own premises. In 2013 refurbished ancillary equipment was added to the services on offer. The same stringent tests apply whether it's a moulding machine or a simple hopper loader being refurbished.

A brand new range of ancillary equipment was added to the portfolio in 2015. It started off with hopper loaders and dryers but rapidly grew to include chillers, desiccant dryers, granulators and dosers. 2016 saw the expansion of services offered to include refurbishing customer owned machines. This has proved a popular option as many customers find sourcing the 'right' machine problematic on the used market.

In 2017, STVconnect rebranded to STV Machinery to better reflect the nature of the business and to bring all areas of the business under one name. STV Machinery was announced as the exclusive UK and Ireland agent for Yizumi moulding machines and set up a showroom to showcase their machinery.

Following the passing of Karl in October 2022, Richard has since proudly taken over the reins as Managing Director. The senior management team also includes Lee Parkins (Technical Director), Stephanie O'Meads (Operations Director).

STV Machinery are members of the British Plastics Federation and the Polymer Machinery Manufacturers and Distributors Association (PMMDA)

Location & Facilities

In 2012 we purchased and renovated a 12,000 square foot building which has given us the facilities to improve the quality and testing process. We can now handle machines up to 500 tonnes clamp force and have space to stock around 40 machines. You can see our facility in greater detail with the video on our website. Our location is Units 7 & 8 Sanders Close, Finedon Road Industrial Estate, Wellingborough, Northamptonshire, NN8 4HQ, United Kingdom.



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



THINK TECH FORWARD



YIZUMI

STV Machinery Ltd

Units 7 & 8 Sanders Close, Finedon Road Industrial Estate,
Wellingborough, Northamptonshire, NN8 4HQ, United Kingdom
Telephone: 01933 27 27 47 Email: sales@stvmachinery.co.uk

www.stvmachinery.co.uk

