

## Atlas™ Auto 40T Hydraulic Press

The Atlas™ Auto 40T Hydraulic Press is a programmable, microprocessor controlled, power assisted hydraulic press, with 40Ton load capability, designed for a wide variety of pressing applications.



### Product features

- Programmable microprocessor controlled pressure application and release
- Simple user operation procedures via symbols and prompts
- Maintain load applied from automatic “top up”
- Graphics display with LED backlight control
- End of cycle alarm or indication
- Integral high clarity PETG safety guards
- Fully CE marked
- Compatible with Specac sample preparation accessories

The Atlas™ Auto 40T Press is a programmable, microprocessor controlled, power assisted hydraulic press, with a 40 Ton load capability. It has been designed for a wide variety of pressing applications including XRF and IR sample preparation and is fully compatible with Specac dies and other sample preparation accessories.

The 40T enables the controlled application and release of an applied load, accommodating samples with an area of 240mm x 220mm. The applied load can be maintained indefinitely, or to a specific time via user

programmable functionality. The graphic display shows the press program status and load conditions providing a digital display of load applied, together with an end of cycle alarm/indicator. The power unit is extremely quiet and operates below 62dB (A).

Fitted with PETG safety guard as standard, the Atlas™ Auto 40T Press is fully CE marked to comply with strict European regulations, and has a generous working distance of up to 140mm between the pressing faces making it suitable for the preparation of

KBr discs for infrared analysis using Specac evacuable pellet dies. It can also be used with the Atlas™ Heated Platens for applications including the preparation of the polymer film substrates.

The Atlas™ Auto 40T Press is simple to use and program via the use of screen symbols and prompts. Options include user selectable languages (see tech spec on back) and load units.

The Atlas™ Press durability is ideal for applications such as X-ray fluorescence sample preparation using Atlas™ Series Dies.

## Atlas™ Auto 40T Hydraulic Press



### Specifications

Max. Load on Ram (Piston):	40 Tons
Digital Display (0.5 Ton increments)	4-40 Tons
Top Bolster Screw	38mm
Top Lead Screw Vertical travel	80mm
Ram (Piston) Bolster Diameter	83mm
Ram (Piston) Stroke	38mm
Max/Min Dist. between Pressing Faces	140-60mm
Sample Area (diameter x height)	240mm x 220mm
Base Footprint (width x depth)	430mm x 405mm
Height (without lead screw)	550mm
Height	580mm - 660mm
Weight	130Kg
Communication Type	USB
Display	Units Tons, Tonnes, US Tons
Hold Times	0.1 to 99 minutes and infinity
Optimised Release Rates	Fast, Medium, Slow
Stored Programs	6 (six)
Maximum Program Segments	10 (ten)
Fully CE marked	
Integral high clarity PETG safety guards	
Multi-lingual display options -	
English, French, German, Spanish and Italian	
Graphics display with LED backlight control	

### Options

Atlas™ Series lightweight dies - a series of lightweight large diameter dies for use in XRF sample preparation. Designed to operate at a maximum load of 25 tons, these dies weigh approximately 50% less than traditional units.

Atlas™ Heated Platens - electrically heated platens with adjustable temperature control from ambient to 300°C.

There is a full range of XRF consumables available, please contact Specac for details.

Illustrations, descriptions and specifications in this data sheet were correct at the time of going to press. However, Specac's policy is one of continuous product development and we reserve the right to change descriptions and specifications at any time. For the latest details please contact your local Specac office or representative.

### Ordering information

USA (110v, 60Hz)	<b>GS25471</b>
UK/Euro (230v, 50Hz)	<b>GS25470</b>
Japan (100v, 50/60Hz)	<b>GS25472</b>
China (220v, 50Hz)	<b>GS25373</b>
32mm Standard Die	<b>GS03300</b>
40mm Standard Die	<b>GS03290</b>

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