

Atlas™ Auto Press - 8T, 15T, 25T & 40T



Features

- Programmable micro-processor 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
- Fully compatible with Specac sample preparation accessories

The Atlas™ Auto Presses 8T, 15T, 25T & 40T are programmable, microprocessor controlled, power assisted hydraulic presses, operating to 8 Tons, 15 Tons, 25 Tons and 40 Tons respectively.

They have been designed for a wide variety of pressing applications including XRF and IR sample preparation. All presses are fully compatible with Specac dies and other sample preparation accessories. They enable the controlled application and release of an applied load, accommodating samples up to 200mm in diameter. 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. Fitted with PETG safety guards as standard the Atlas™ Auto Presses are fully CE marked to comply with strict European regulations.

The Atlas™ Auto Presses have a generous working distance of up to 155mm between the pressing faces and are suitable for the preparation of KBr discs for infrared analysis using Specac evacuable pellet dies. They can also be used with the Atlas™ Heated Platens for applications including the preparation of the polymer film substrates.

The Atlas™ Auto Presses are simple to use and program via the use of screen symbols and prompts. Options include user selectable languages and load units. The Presses durability are ideal for applications such as X-ray fluorescence sample preparation using Atlas™ Series Lightweight Dies.

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Specifications

Max. Piston Load

8T	15T	25T	40T
8 Tons	15 Tons	25 Tons	40 Tons

8T	Digital Display (.2 Ton Steps)	1-8 Tons
15T	Digital Display (.2 Ton Steps)	2-15 Tons
25T	Digital Display (.5 Ton Steps)	3-25 Tons
40T	Digital Display (.5 Ton Steps)	4-40 Tons

Specifications 8T, 15T, 25T & 40T

Top Bolster Diameter	32mm
Top Lead Screw Vertical travel	90mm
Top Lead Screw Vertical travel	(40T) 80mm
Ram (Piston) Bolster Diameter	82mm
Ram (Piston) Stroke	24mm
Ram (Piston) Stroke	(40T) 38mm
Max/Min Pressing Faces Dist.	155mm - 40mm
Max/Min Pressing Faces Dist.	(40T) 140mm - 60mm
Sample Area (Dia. x Hgt)	220mm x 155mm
Sample Area (Dia. x Hgt)	(40T) 240mm x 220mm
Base Footprint (W x D)	425mm x 405mm
Base Footprint (W x D)	(40T) 430mm x 405mm
Height (without lead screw)	500mm
Height (without lead screw)	(40T) 550mm
Height (Lead Screw At Min. & Max. Distances Between Pressing Faces)	545mm - 640mm
Height (Lead Screw At Min. & Max. Distances Between Pressing Faces)	(40T) 580mm - 660mm
Oil Type	Tellus 37
Oil Reservoir Capacity	(40T) 0.6 litres & 1litre
Weight	(40T) 95Kg & 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
Maximum Program Segments	10

Ordering Information

8T

GS25440	UK/Europe (230v, 50Hz)
GS25441	USA (110v, 60Hz)
GS25442	Japan (100v, 50/60Hz)
GS25443	China (230v, 50Hz)
GS25444	Korea (230v, 60Hz)

15T

GS25450	UK/Europe (230v, 50Hz)
GS25451	USA (110v, 60Hz)
GS25452	Japan (100v, 50/60Hz)
GS25453	China (230v, 50Hz)
GS25454	Korea (230v, 60Hz)

25T

GS25460	UK/Europe (230v, 50Hz)
GS25461	USA (110v, 60Hz)
GS25462	Japan (100v, 50/60Hz)
GS25463	China (230v, 50Hz)
GS25464	Korea (230v, 60Hz)

40T

GS25470	UK/Europe (230v, 50Hz)
GS25471	USA (110v, 60Hz)
GS25472	Japan (100v, 50/60Hz)
GS25473	China (230v, 50Hz)
GS25474	Korea (230v, 60Hz)

Atlas™ Series Dies

	Max. Load
GS25410	Lightweight 32mm Die 25 Tons
GS25411	Lightweight 40mm Die 25 Tons



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