

## APEX 400 Hydraulic Press

The APEX 400 hydraulic press is dedicated to the production of pressed pellets for XRF laboratories. It is a benchtop press designed for repetitive use in high-throughput testing environments and can produce sample pellets in steel rings, aluminium cups, or as unsupported pellets.

### Key Features of the APEX Press

- Fully automatic and programmable pressing cycles**  
 Automated processes streamline your workflow and free your team to work on other tasks.
- Quickshift Technology for automatic pellet extraction**  
 When pressing pellets without steel supporting rings, the pressing platen switches automatically between pressing and extraction modes.
- Supports use of ring dies and standard dies**  
 Specac's first press to support ring dies, for both 51.5 x 35 mm rings and 40 x 32 mm rings, as well as standard dies of 32 and 40 mm diameters.
- Sample loading made easy**  
 Access to the die is via a pull-out drawer, positioned at a comfortable height for repeated sample filling. The external position of the die when filling prevents build-up of stray powder inside the machine.
- Designed for maintenance**  
 The press is design with servicing in mind, from modular fitment of components to diagnostic reporting.
- Compact, benchtop press**  
 Suitable for all laboratories, even where space is limited.



### Powder In, Pellets Out

No matter whether your requirement is for free-pressing or pressing in supporting steel rings, the user operations are the same.

If a free-pressing program is selected, the press's Quickshift Technology will automatically shift between pressing and release states to guarantee that no operator intervention is required to reset the die for pellet retrieval.

Program 'recipes' can be set-up by an administrator and locked from editing by the user to ensure repeatability of pressing parameters.

### Ordering Information

#### Press

GS25200 APEX 400 press

#### Dies

GS25220	32 mm pellet die
GS25221	40 mm pellet die
GS25222	40x32 mm ring die
GS25223	40x35 mm ring die
GS25224	51.5x35 mm ring die



### Specifications

Feature	Specification
Rated load range	10 - 400 kN (1.0-40 t)
Load resolution	10 kN (0.1 t)
Units of display	kN, tonnes, US tons
Final pellet thickness	0-14 mm (0-0.55 in)
Dies available	For pressing in steel rings: 51.5 x 35 mm 40 x 35 mm 40 x 32 mm Conventional dies: 40 mm 32 mm
Weight	120 kg (265 lbs)
Dimensions	W 462 x D 346 x H 573 mm (W 18.2 x D 13.6 x H 22.5 in)
Power supply	Single phase, universal
Temperature range of the external environment	10-40 °C (50-104 °F)