

Olympus 15-Ton

AT A GLANCE

- ▶ Automated Hydraulic Press
- ▶ Variable force from 1 to 15 US tons
- ▶ Fully automated for consistent and reproducible results
- ▶ Easy to use touch-screen programming
- ▶ Wide access door with transparent window and safety interlock

The Olympus 15-Ton microprocessor controlled automated hydraulic press introduces an element of consistency into hydraulic press applications such as KBr pellet making.

Pressure and corresponding hold time are easily entered through its integrated touch-screen control panel. Up to four pressure hold time and ramps may be programmed and performed within a run. During operation the force measurement is shown on the bright color display. This level of control enhances the uniformity and quality of transmission samples.



PART NUMBER	DESCRIPTION
181-1365	Olympus Hydraulic Press
181-1367	Olympus Hydraulic Press, Evacuatable Pellet Press and Magnetic Holder

Note: Olympus includes an integrated safety shield.

Options and Replacement Parts

161-1900	Evacuatable Pellet Press for 13-mm pellets
160-8010	KBr Powder, 100 g
161-5050	Agate Mortar and Pestle, 50 mm
162-5300	Magnetic Film Holder for 13-mm pellets
162-5410	Sample Card for 13-mm pellets (10 ea.)
430-1110	Vacuum Pump, 110V
430-1220	Vacuum Pump, 220V
161-1070	ShakIR, Heavy Duty Sample Grinder, 110-220V
161-1035	Stainless Steel Vial with Ball for ShakIR

Notes: ShakIR requires stainless steel vial and ball P/N 161-1035.

SPECIFICATIONS

	Metric	English
Applied Force, Max	13.4 metric tons	15.0 US tons
Force Resolution	0.09 metric ton	0.10 US ton
Platen Diameter	100 mm	3.94"
Ram Stroke	20 mm	0.79"
Die Height Range	3.38 - 14.91 cm	1.33 - 5.87"
Opening Size, Max	150 x 130 mm	5.9 x 5.1"
Dimensions (W X D X H)	22.05 x 48.03 x 42.55 cm	8.68 x 18.91 x 16.75"
Weight	90.7 kg	200 lbs
Door	Fully Interlocked	
Power Supply		
Input	100-240 VAC	
Operating	7A/24 VDC, 180 W maximum	

Olympus is equipped with a wide access door that allows for easy insertion and removal of the pellet press. The door features an impact resistant, polycarbonate window and safety interlock which prevents operation while the door is open, making it safe for operation in a busy laboratory environment.

The ergonomic screw at the top of the press provides flexibility for short and tall die designs, yielding an open stand range from 3.38 to 15.62 cm. The optimal ram stroke of 20 mm and easy top screw adjustment speeds pellet making by reducing time required to achieve the desired force.

Fuji 25-Ton

AT A GLANCE

- ▶ Automated Hydraulic Press
- ▶ Variable force from 1 to 25 US tons
- ▶ Fully automated for consistent and reproducible results
- ▶ Ideal for FTIR and XRF pellet preparation
- ▶ Easy to use touch-screen programming
- ▶ Wide access door with transparent window and safety interlock

The Fuji 25-ton hydraulic press introduces an element of consistency into pellet making for XRF and IR analysis. Its automated features allow for precise applications of force.

Within a single run, up to four pressure steps and corresponding hold time are easily entered through its integrated touch-screen control panel. During operation the real-time applied force is shown on the color display. This level of control enhances the uniformity and quality of prepared samples.



PART NUMBER	DESCRIPTION
181-1375	Fuji Hydraulic Press
Note: Fuji includes an integrated safety shield.	
Options and Replacement Parts	
161-2020	Evacuatable Pellet Press for 20-mm pellets
161-2025	Evacuatable Pellet Press for 25-mm pellets
161-2032	Evacuatable Pellet Press for 32-mm pellets
161-1900	Evacuatable Pellet Press for 13-mm pellets
160-8010	KBr Powder, 100 g
161-5050	Agate Mortar and Pestle, 50 mm
162-5300	Magnetic Film Holder for 13-mm pellets
162-5410	Sample Card for 13-mm pellets (10 ea.)
430-1110	Vacuum Pump, 110V
430-1220	Vacuum Pump, 220V
161-1070	ShakIR, Heavy Duty Sample Grinder, 110-220V
161-1035	Stainless Steel Vial with Ball for ShakIR

Notes: ShakIR requires stainless steel vial and ball P/N 161-1035.

SPECIFICATIONS

	Metric	English
Applied Force, Max	22.7 metric tons	25.0 US tons
Force Resolution	0.09 metric ton	0.10 US ton
Platen Diameter	100 mm	3.94"
Ram Stroke	20 mm	0.79"
Die Height Range	3.38 - 14.91 cm	1.33 - 5.87"
Opening Size, Max	150 x 130 mm	5.9 x 5.1"
Dimensions (W X D X H)	22.05 x 48.03 x 42.55 cm	8.68 x 18.91 x 16.75"
Weight	90.7 kg	200 lbs
Door	Fully Interlocked	
Power Supply		
Input	100-240 VAC	
Operating	7A/24 VDC, 180 W maximum	

Fuji is equipped with a wide access door that allows for easy insertion and removal of the pellet press. The door features an impact resistant, polycarbonate window and safety interlock which prevents operation while the door is open, making it safe for operation in a busy laboratory environment.

The ergonomic screw at the top of the press provides flexibility for short and tall die designs, yielding an open stand range from 3.38 to 15.62 cm. The optimal ram stroke of 20 mm and easy top screw adjustment speeds pellet making by reducing time required to achieve the desired force.

A wide range of pellet dies are available, ranging from 13 to 32 mm to most cover KBr and XRF pellet making needs. For sizes not listed here, please contact PIKE Technologies.