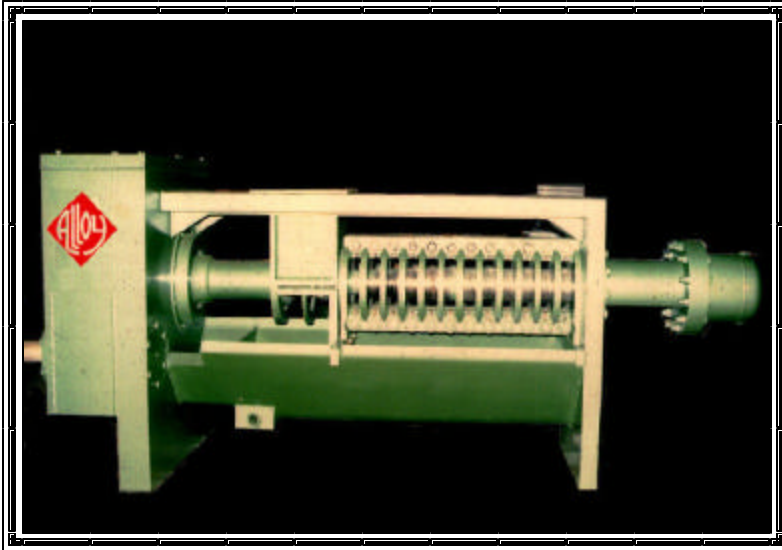
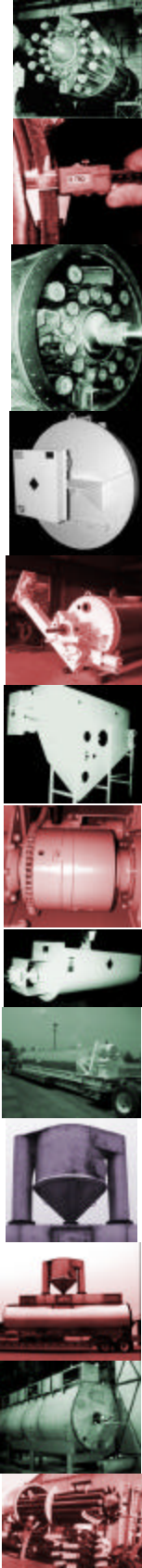




Screw Press

High Performance, Low Residuals



NO other Press offers the combination of features found in the Alloy Press.

Look at the list of standard features:

- ◆ Single Piece Frame
- ◆ Simple, Rugged Gear Case
- ◆ Simple Shaft Arrangement
- ◆ Nine Inch Feed Quill
- ◆ Seven Inch Barrel
- ◆ High Carbon Press Shaft
- ◆ Hardfaced and Heat Treated Parts
- ◆ Belt Drive Input
- ◆ Automatic Hydraulic Choke
- ◆ Minimum Foot Print
- ◆ Heavy Construction Throughout

Alloy Screw Presses are “render-designed”, soundly engineered, and built to affect fast, efficient, fat extraction from Beef, Pork, Poultry and Lamb by-products.

After four decades of innovations in Mechanical Screw Presses and Screw Press Parts we now offer our own press, a press *You* may have helped design. After decades of servicing presses supplied by others and listening to customer complaints, Alloy decided to design our own press addressing your concerns.



The heart of the Alloy hydraulic power pack is comprised of nationally known and distributed components from Continental, Vickers and others. Safeties include thermal and fluid level alarms. The pictured unit is adequate for up to three presses.



Proper Choke Control is integral to proper pressing. If the choke opens prematurely your residuals suffer, if it delays too long in opening, you run the risk of locking up the machine. The Alloy automatic choke controls help provide top results. The pictured unit is adequate for up to three presses.

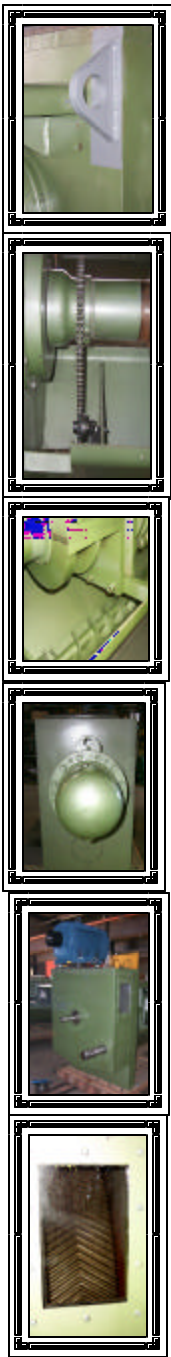
Alloy Hardfacing & Engineering Co., Inc.

20425 Johnson Memorial Drive
Jordan, MN 55352

Phone: 1-800-328-8408 or 952-492-5569 Fax: 952-492-3100

www.alloy-inc.com or email alloy@minn.net

Alloy Mechanical Screw Press



The Alloy Press begins with a rigid fabricated frame with extra heavy reinforcing members to assure extended life of the frame and main components.

Included in the design and construction of the press are heavy duty lifting eyes in locations which make balancing and installing the Alloy press easier.

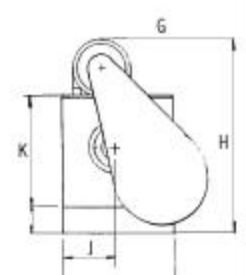
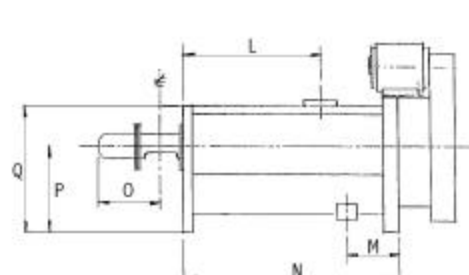
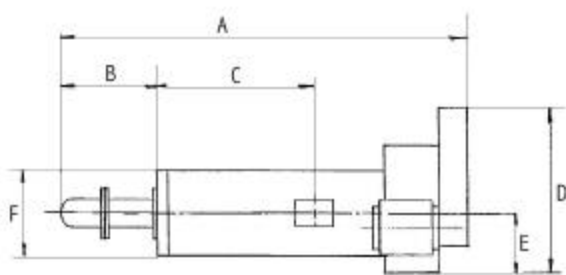
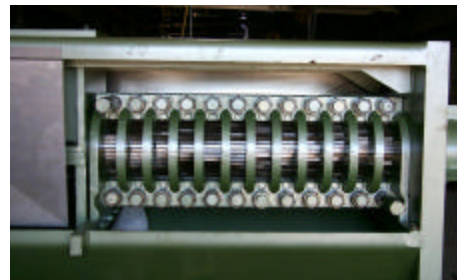
One of the design parameters of the press was to maintain a single motor design, including the drive of the fat and fines auger. The Alloy press uses a sprocket mounted on the drive sleeve to slave drive this auger.

When it came to designing the gearbox of the press, Alloy stuck with the “Kiss” principle Keep It Strong and Simple, designing the press with a single reduction gear train and providing speed flexibility via input belts and sheaves.

Coming from a vegetable oil background, where precision is critical to the process, the Alloy press was designed to have higher precision than some presses which were originally designed strictly for rendering. Alloy flights, barrel bars and knife bars are constructed to greater precision than many of the presses operating in Rendering plants today.

Top press performance is the result of constant high pressure and dwell time. The Alloy press has a total of 53” of drainage area, the highest of any press in its class. Coupled with the greater precision of the Alloy press, the result is better throughput per horsepower and lower fat residuals.

The cages of the Alloy Press are fabricated from heavy steel components ranging in thickness from 4” x 4” thickness of the bolt sections to 1-1/2” x 4” for the cage ribs. Due to the construction of these cages, repairs can be made should tramp metal or other foreign materials damage the cage.



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
English	12'0"	34"	56"	45"	12"	30"		77"	45"	21"	43"	56"	20"	87"	25"	50"
Metric (cm)	365.8	86.4	142.2	114.3	30.5	76.2		195.6	114.3	53.3	109.2	142.2	50.8	221	63.5	127