



# OAK FIN PRESS | FP-1400

Big, Brawny, Balanced

## OAK FP-1400 FIN LINE

This high performance press and line for the heat transfer industry has a 160 ton (1,400kN) rating for increased fin stamping capacity. Extensive solid modeling performed in the design stage and added weight optimizes press rigidity.

The new electronic servo-feed allows easier access to the left side of the press and die, and centers and balances the forces on the feed shaft.

The dynamically balanced platform minimizes vibrations, ensuring accuracy even at higher press speeds. In almost any fin making application the 1400's size, strength and stability will increase capacity and improve performance.

### PRODUCTION

160 to 400 SPM  
using a 2, 4, or 6 progression die  
\*Application Dependent

### FOOTPRINT

≈ 3.7 m x 10.1 m  
≈ 12' x 33'

### WEIGHT

≈ 19,000 kg  
≈ 41,800 lbs

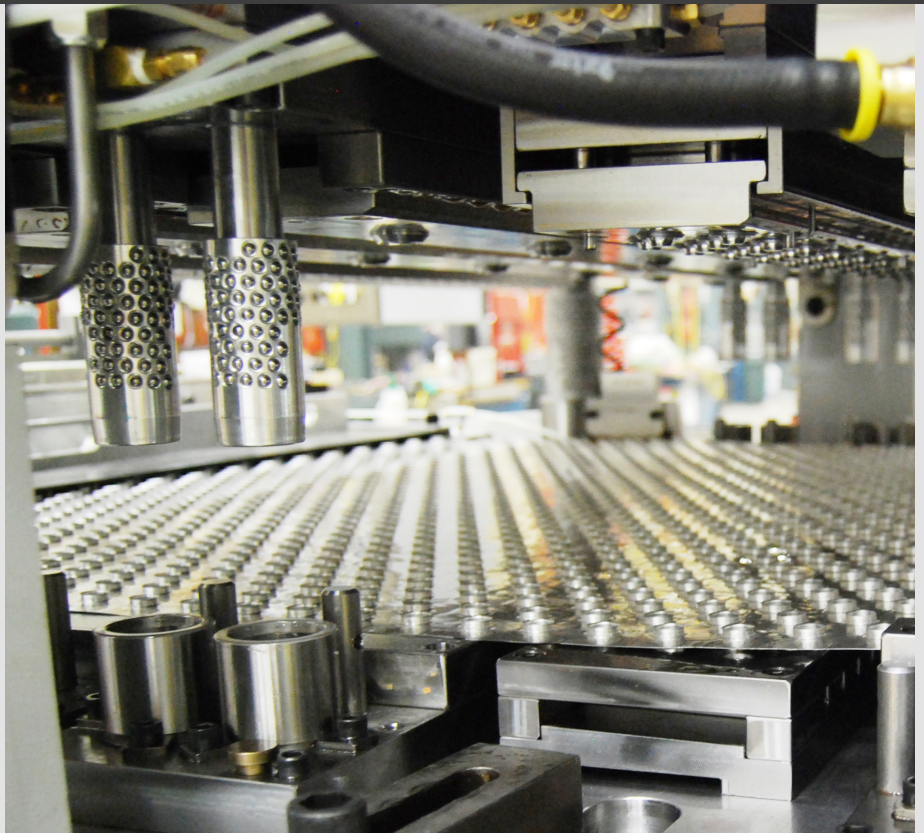
### AIR

120 ft<sup>3</sup>/min at 85 psi  
(3.4 m<sup>3</sup>/min at 5.51 bar)

### POWER

64 kW @ .80/.82 PF  
24 VDC Controls

\*\*Foundation information supplied upon request



**MAXIMUM FIN LENGTH**

108" (2,742 mm)

**MAXIMUM FIN WIDTH**

37" (940 mm)

**SHUT HEIGHT**

9" (230 mm) to 13" (330 mm)

**STANDARD STROKE**

1" (25 mm) to 2" (51 mm)

The FP-1400 press series has a bed size of 54" X 48" (1372 mm x 1219 mm)

**Economic Advantages**

- Dynamically balanced for less vibration, therefore reducing maintenance.
- Electronic feed reduces setup downtime thus increasing overall production.
- 160 ton press provides higher production in a given floor space.

**Technical Advantages**

- Electronic feed saves wear and tear on feed components.
- 4-point load on slide ensures accurate load distribution to produce consistent fin dimensions across the die.
- Hydraulic system for adjusting shut height allows flexibility in die designs.
- Hydraulic withdrawal system allows routine maintenance without removing the die from the press.
- Programmable Logic Controller (PLC) stops fin production automatically when a predetermined number of fins have been stacked.

**User Advantages**

- Can be modified to allow a maximum stroke length of 3" (76 mm) if necessary.
- Electronic feed requires less training for operator competency.
- Perform maintenance without using a forklift or crane to remove the die from the press.
- Includes new features for stock feeding, lubrication and fin collection to increase ease of operation and productivity.
- Thicker and high tensile materials are easier to manipulate with the 160 ton press and will operate high production fin dies.
- Program the fin length from the touch screen control panel.