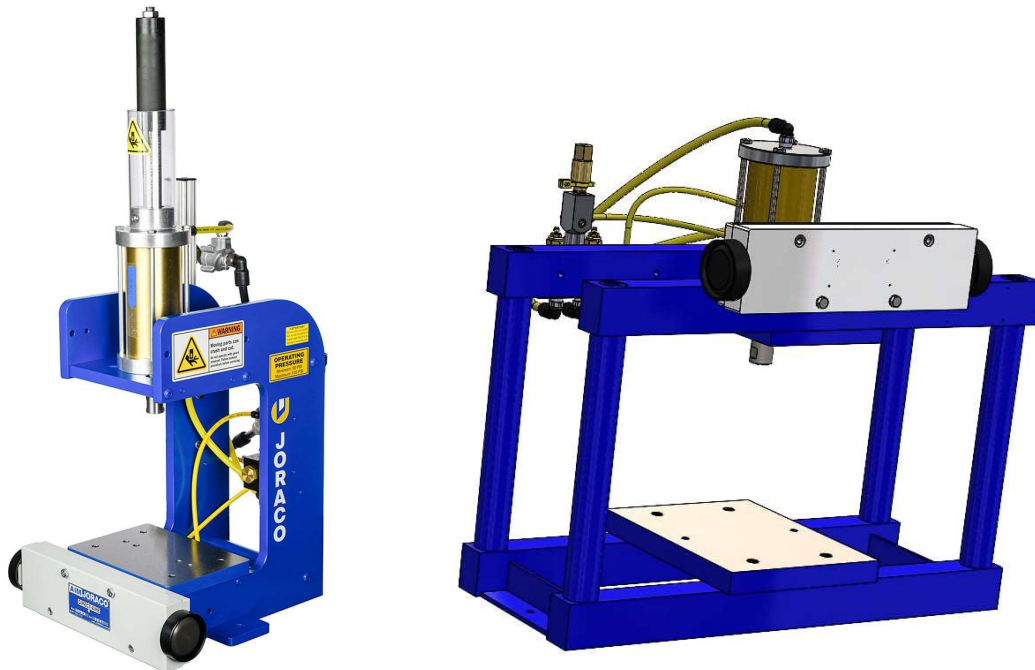


DIRECT-AIRE® Series



Our DIRECT-AIRE® series pneumatic presses offer a relatively low force press option that applies a constant force over the full length of the stroke. They are ideal for applications where a specific amount of force must be applied rather than pressing to a set dimension. They are available in either a standard C-frame or an H-frame configuration.

Maximum Force Capacity: 300lbs - 2.5 tons depending on model

Standard Stroke: 4.5"

Standard Open Height: 8"

When to Use DIRECT-AIRE® Series

Low force requirements

Operation requires a specific controllable amount of force

Long stroke is required

Constant force is needed while pressing

When Not to Use DIRECT-AIRE® Series

High force requirements

Tight dimensional tolerances

TOGGLE-AIRE® Series



Rather than pressing with a set force our TOGGLE-AIRE® series pneumatic presses are able to press to a set shut height with high precision, applying only as much force as needed to reach that shut height. This makes the TOGGLE-AIRE® series ideal for applications with tight dimensional tolerances. An important factor to consider when selecting a TOGGLE-AIRE® press is that the max force they can apply at any given point is dependent on the current distance from the bottom of stroke, with the highest force available at the very end of the stroke. They are available in a C-frame configuration only.

Maximum Force Capacity: 3 tons - 30 tons depending on model

Standard Nominal Stroke: 1.5" - 2.375" depending on model

Standard Shut Height: 4.875" - 6" depending on model

Shut Height Adjustability: +/- 0.375"

Shut Height Repeatability: +/- 0.001"

When to Use TOGGLE-AIRE® Series

Tight dimensional tolerances apply

Operation requires pressing a set distance rather than pressing with a set force

Most press fit applications

Most die cutting applications

When Not to Use TOGGLE-AIRE® Series

Force must be applied over a relatively long distance

Force applied must be constant over the stroke

The exact amount of force applied must be controllable

HYDRO-AIRE® Series



Our HYDRO-AIRE® series pneumatic presses use a hydro-pneumatic cylinder to achieve high force output. When pressing they begin with a rapid advance stroke until meeting resistance, then automatically switch to a power stroke to apply force. The power stroke automatically begins when the press meets resistance, so pressing further than the length of the power stroke can easily be achieved by cycling the press multiple times. The HYDRO-AIRE® series is a great option when the needed force is too high for a DIRECT-AIRE® press, or the distance force is applied/stroke needed is too much for a TOGGLE-AIRE® press. The HYDRO-AIRE® series presses are available as a standard H frame or in a C frame configuration.

Maximum Force Capacity: 4 tons - 30 tons depending on model

Standard Total Stroke: 4"

Standard Power Stroke: Up to 0.5"

Standard Open Height: 8"

When to Use HYDRO-AIRE® Series

High force applications

Operation requires a specific controllable amount of force

Long stroke is required

When Not to Use HYDRO-AIRE® Series

Tight dimensional tolerances apply

Parts must be pressed further than the power stroke in one press operation