

Low Profile Pachydyne



The Ajax Tocco low profile Pachydyne power supply is an all purpose induction tool that's ideal for small and nonferrous metals. Compact in size and very reasonably priced, it is ideal for laboratories, small heating and melting applications, and specialized development projects.

The Ajax Tocco low profile Pachydyne power supply uses the same solid state power supply principles as the highly successful Ajax Tocco Pachydyne S3/10 series and is available in power sizes from 15KW to 50KW and frequencies to 10KHz.

All Ajax Tocco Pachydyne's use a system of dynamic load matching which enables it to automatically match varying load conditions without having to make manual adjustments. The simplified circuitry and ease of operation make it ideal for a variety of applications. The Pachydyne is designed to deliver full power at any frequency between 3 KHz and 10KHz to a properly tuned load. Once the load is tuned, power output is automatically regulated to provide optimum production.

Features

- The Ajax Tocco Pachydyne is Equipped with a self-contained work station that can utilize a melting or heating coil.
- Can be adapted for Ajax Tocco's standard line of table top or lift swing furnaces.
- The unit is compact and portable for easy installation and movement.
- The operator panel is designed for remote mounting.

Options

- Heat Treat Coils
- Channel Coils
- Wide Oval Coils
- Solenoid Heat Coils
- Auxiliary Water Systems
- Lift Swing Furnace
- Table Top Tilt Furnace
- Table Top Lift Coil Furnace
- Pneumatic Lift Cylinder
- Remote Control Cubicle

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Table Top Tilt Furnaces: Available in sizes to 50 lbs. ferrous metal. The furnace is constructed of a rugged high impact cylindrical (non-asbestos) case which supports the power coil. The furnace itself is mounted on a steel framed table top with thick synthetic insulating material. Water cooling connections are made direct to the furnace by means of flexible water cooled leads. Standard features include water terminals, tilting handle, and furnace able w/standards. The hand pouring shank is optional.

Table Top Lift Coil: Table top lift coil furnaces are ideal for use with the pocket Pachydynes. This versatile, hand lifted furnace can be easily installed just about anywhere needed. Low in cost, yet rugged, it can be supplied to handle crucibles. Table top lift coil furnaces are available in capacities from 5 to 50 pounds.

Heating: Low Profile Pachydynes are also ideal for a variety of induction heating jobs and can be used with the complete spectrum of networking and induction heat treating coil configurations. It is low in cost and the ideal tool for short production runs, die trials, prototyping, vacuum, susceptor, and graphite heating.

Lift Swing Furnace: The Ajax Tocco high frequency Swinger lift coil furnace is a rugged two-position melter dually suited for non-ferrous foundries where small batches or a variety of alloys are melted. It is designed for maximum strength, safety, trouble-free service. The furnace coil is housed in a non-conductive, rigidly reinforced shell and is mounted on a rugged cylindrical lifting shaft which is keyed for positive positioning of the coil over the crucible. The coil is raised or lowered with a hand or foot valve using plant air supply. Crucibles rest on the bases and when the coil is lowered, it sets squarely on ceramic base to eliminate air gaps which can cause updrafts and decrease melting efficiency.

Crucible size is limited by power input when Swinger furnaces are used with Low Profile Pachydynes.