



PUSHER FURNACES

ABBOTT'S PUSHER FURNACES are engineered and manufactured to the specific time, temperature and atmosphere needs of each material being thermally processed. Temperature ramp up, hold time, and cool down are carefully considered to be certain production is repeatable and uniform for large scale furnace operations.

FEATURES	DESCRIPTION
Operating Temperature	Models available up to 1600°C (2912°F).
Heating System	Electric or gas (depends on temperature).
Conveyance	Pusher arm (ball-screw mechanism typical).
Cross-transfer Systems	Powered rolls, pop-up chain conveyors, etc.
Return Systems	To move unloaded plate/crucible to load end.
Temperature Control Zones	Number depends on actual profile needed.
Atmosphere Injection Points	Number depends on actual profile needed.
Entrance/Exit Vestibules & Internal Doors	Depends on the process steps needed.
Atmosphere Type	N2, H2, Ar, generated gas, or various blends.
Insulation Materials	Fiber, cast, brick, board or a combination.
Furnace Control	Stand-alone instruments or through an HMI.