RUBBER, PLASTIC & COMPOSITE OVENS

Wax Dip Moulding Furnace

Heated wax bath furnace for slush and dip moulding PVC dolls, toys and idols: the filled mould is dipped in hot wax to gel and fuse the plastisol skin.



TEMPERATURE
Up to 190°C (typically 160–190°C)

HEATING
Electric, gas (LPG/PNG) or dual fuel (electric + gas)

INDUSTRIES
Toy and doll makers, idol and handicraft makers, PVC products and gift items

Specifications

Type	heated wax bath tank for slush and dip moulding
Maximum temperature	190°C
Working temperature	typically about 160–190°C, set to your plastisol
Cycle	gel dip about 1–2 min, drain, fusion dip about 1.5–2.5 min (typical)
Heating	electric heaters, LPG/PNG burner under the tank in a separate chamber, or dual fuel
Control	digital PID with independent over-temperature cut-out
Tank	mild steel or stainless steel, sized to your largest mould
Insulation	ceramic fibre and mineral wool, cool outer panels
Safety	hinged lid, fume hood with exhaust fan, drip trays
Mould handling	hanging bars, trolleys or hoist for heavy idol moulds

Features

- Even heating around every curve of the mould for uniform wall thickness
- Sharp detail on faces, hands and ornaments
- Faster heating than hot air ovens
- No open flame in contact with wax or vapour
- Independent over-temperature cut-out
- Tank sized to your moulds, from doll parts to large idols
- Electric, LPG/PNG or dual fuel heating
- Fume hood and exhaust for plastisol fumes

Applications

- PVC dolls, doll heads, arms and legs
- PVC idols and religious figures
- Squeeze toys and toy animals
- Hollow PVC figurines, masks and decorative items
- Rubber-like soft PVC parts with fine detail
- Small dip moulded caps and covers