

CRUCIBLE TILTING FURNACE



WESMAN

FOUNDRY EQUIPMENT

OC-SERIES

WESMAN CENTRAL AXIS CRUCIBLE TILTING FURNACES are supplied as complete refractory-lined packages with blower, burner and crucible. The durable body is constructed from reinforced steel plates and supported on a stand by trunnions which move on anti-friction bearings. A graphite crucible and stand are provided, with a graphite muffle ring and cover for the top of the crucible.

STAR FEATURES

- ❗ Rugged construction
- ❗ Efficient non-ferrous melting and holding
- ❗ Easy to operate and maintain
- ❗ Fitted with Wesman combustion equipment
- ❗ Excellent fuel economy
- ❗ Countrywide after-sales service
- ❗ Wesman quality built into every machine

A side-mounted tilting gear arrangement with a large hand wheel allows easy manual operation (a motorized drive system with inching facility is optional). The furnace is fitted with a Wesman Schieldrop self-proportioning oil burner (LPG or natural gas firing is available as an option). Preheated oil at constant temperature and pressure is supplied by a Wesman heating and pumping unit. Combustion air is provided by a Wesman centrifugal blower.



The burner fires tangentially inside the shell lining into a circular combustion space so that the hot gases surround the crucible, ensuring uniform heating. Waste gases pass out through openings at the top of the furnace, and may be collected in an optional fume extraction unit for discharge outside production area.

OPTIONAL ACCESSORIES: ❗ OIL SERVICE TANK ❗ OUTFLOW HEATER ❗ FUME EXTRACTION ❗ MOTORIZED TILTING DRIVE UNIT ❗ SEMI-ROTARY PUMP FOR OIL TANK ❗ MOTOR STARTER

PERFORMANCE DATA

| FURNACE MODEL | OC-2 | OC-4 | OC-6 | OC-10 | OC-20 |
|--|--------|--------|--------|-------|--------|
| NOMINAL CHARGE IN KG (GUN METAL) | 100 | 200 | 300 | 500 | 1000 |
| NOMINAL CHARGE IN KG (ALUMINIUM) | 30 | 66 | 100 | 150 | 300 |
| MELTING TIME FROM COLD START IN MINUTES | 120 | 120 | 120 | 120 | 120 |
| MELTING TIME FOR SUBSEQUENT CHARGE IN MINUTES | 90 | 90 | 90 | 90 | 90 |
| OIL CONSUMPTION FOR SUBSEQUENT HEAT PER 100 KG METAL | 20-25 | 20-25 | 20-25 | 20-25 | 20-25 |
| SPOUTED CRUCIBLE SIZE | TP-162 | TP-400 | TP-600 | TP-89 | TP-412 |

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