

UNITECH Solution for Bearing Mounting and Dismounting

Model : UIR-40

DISMOUNTING AND MOUNTING OF SHRINKFIT INNER RACES & OTHER COMPONENTS



FAST, SAFE &
ECONOMICAL
HEATING OF
BEARINGS
INNER RACES
AND OTHER
COMPONENTS

Unitech Induction Heater Series - UIR
Available in 3 Models

UIR - 25 Power 25 KVA, Controls Micro Controller based.
UIR - 40 Power 40 KVA, Controls Micro Controller based.
UIR - 60 Power 60 KVA, Controls Micro Controller based.

PRODUCT DATA		UIR-25	UIR-40	UIR-60
1	Power	25 KVA	40 KVA	60 KVA
2	Supply Voltage	3Ø x 440V	3Ø x 440V	3Ø x 440V
3	Nominal Current	57A	90A	136A
4	Output Voltage	40-60V	40-60V	40-60V
5	Output Current	500A	800A	1200A
6	Power Control	25%, 50%, 75% & 100%	25%, 50%, 75% & 100%	25%, 50%, 75% & 100%
7	Temperature Control	(0-200°C)	(0-200°C)	(0-200°C)
8	Accuracy Temperature	±5°C	±5°C	±5°C
9	Time Control	0-3 min.	0-3 min.	0-3 min.
10	Residual Magnetism	<2A/cm	<2A/cm	<2A/cm

UNITECH Induction Heater Series UIR is specially designed to cater the need of dismounting & mounting of the inner races of Cylindrical Roller Bearings used on the axles of Railway Rolling stock and in Traction Motors. It can be used in other industries with similar application.

ADVANTAGES:

- 1) Induction Heating is more safe, reliable & clean process.
- 2) Even unskilled labour can be trained to operate the equipment easily.
- 3) High heating rates can be easily achieved.
- 4) Precise Temperature and Time controls are achieved through state of the art technology used in heaters.
- 5) Lower cost & high efficiency are the plus points of Induction Heating.

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INSTRUMENTS