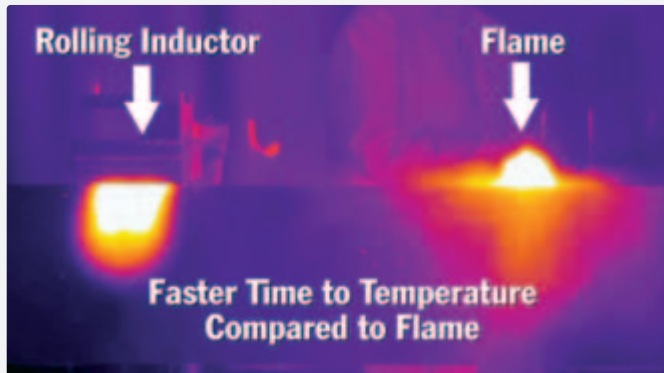




ProHeat™ 中频感应加热器

感应加热是一种简单和经济的加热过程，可以提供快速和一致的热量。通常需要几个小时加热的应用程序可以在几分钟内完成。

- 焊接制造与施工
- 焊缝预热
- 焊后热处理 (PWHT)
- 去氢处理
- 热压冷缩装配应用



与火焰和陶瓷片加热对比

- 不会产生暴露于明火和电阻电线的灼伤(只有工作部分变热)
- 不会产生大量燃气费用
- 产生烟雾比火焰加热少
- 产生很少的悬浮物颗粒比高温电缆和陶瓷片

中频感应加热应用:

- | | | | |
|--------|--------|--------|--------|
| ▪ 工艺管道 | ▪ 冶炼化 | ▪ 石油化工 | ▪ 电力管道 |
| ▪ 压力容器 | ▪ 结构制造 | ▪ 造船 | ▪ 长输管道 |



了解更多:

联系我们代理商或ITW厂家人员

ProHeat 35 电源参数

The ProHeat 35 induction power source is equipped with a built-in temperature controller allowing for manual or temperature-based programming using up to four control thermocouples. At more than 90-percent efficiency, the ProHeat 35 power source transfers more energy to the part, reducing operating costs over different heating methods.

数字记录仪 (可选)

数字记录仪通常用于应力消除和临界预热应用。记录仪以时间为基础存储温度数据。对于成熟的加热应用经验一般不需要记录仪。

重载冷却水箱 (可选)

针对感应加热应用进行了优化，冷却器具有9.5升(2.5加仑)防锈聚乙烯罐、高压泵和鼓风机，以产生高冷却能力。



图片显示ProHeat 35带有重载水箱、移动万向轮和数字记录仪



一套加热系统 – 四个基本感应加热配置

ProHeat 35 感应加热系统解决预热，焊后热处理 (PWHT) 和应力消除 等问题。

液冷加热电缆 详见/15.0

加热应用最高可达 **788°C (1,450°F)**.

一种高度通用加热工具：消除应力、去氢处理、焊后热处理和热压冷缩装配，在各种管径和平板的设计中考虑到了灵活性，the ProHeat liquid-cooled induction heating cables can be wrapped into coils of various shapes and sizes to fit almost any induction heating application



Liquid-Cooled Rolling See literature IN/13.0

Preheat of moving parts up to **315°C (600°F)**.

- Ideal for preheating rolling pipe and moving parts, with easy and time-saving setup and movement for maintaining and adhering to preheat and interpass temperatures
- Enables the benefits of rolled pipe welding while also addressing some of the concerns associated with other popular heating methods, such as open flame and resistance heating
- *Optional* infrared temperature sensor can read the temperature on the moving part – from 100–400°C (212–750°F)
- *Optional* travel detect system can be used for setting different heating rates/ ramps based on workpiece speed travel – when no movement is detected the system turns off the output preventing damage to workpiece and rolling inductor



Air-Cooled Blankets See literature IN/14.0

Preheating applications up to **204°C (400°F)**.

- Air-cooled blankets are available for pipe diameters from 20–152 cm (8–60 in.) or in the case of plate, the lengths are 1–5.2 m (41–205 in.)
- The blankets easily conform to circular and flat parts and install in a matter of seconds
- Manufactured from durable high-temperature materials, flexible induction blankets are designed to withstand the tough conditions in both industrial and construction applications



Air-Cooled Cables See literature IN/14.0

Preheating applications up to **200°C (392°F)**.

- Air-cooled cables are available in lengths of 9.1 m (30 ft.), 15.2 m (50 ft.) or 24.4 m (80 ft.) for flexible configurations
- Designed with flexibility and efficiency in mind, the air-cooled cables can be wrapped into coils of various shapes and sizes to fit almost any induction preheating application, without the need for cooler and coolant
- Air-cooled cables provide the same flexibility as liquid-cooled cables for preheating

