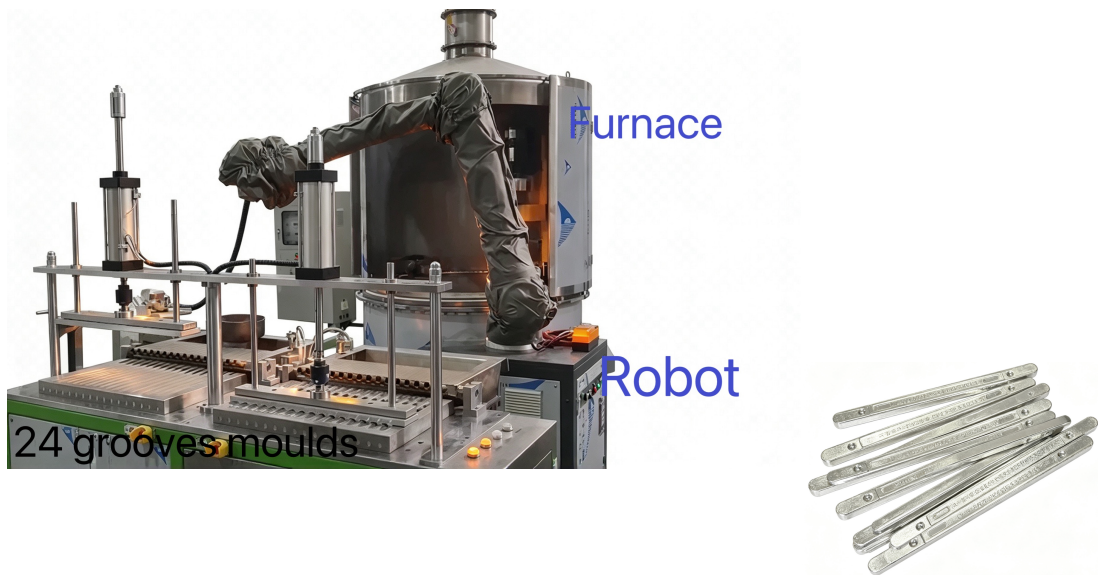




Automatic Solder Bar Casting Machine Line

Overview

This production line consists of **1500kg infrared energy-saving tin melting furnace + automatic casting robotic arm + dual-station solder bar molding machine + intelligent control system**. It is designed for melting and automatic casting of leaded solder and lead-free solder, producing standard solder bars (such as Yunnan Tin solder bars). High automation level, infrared heating delivers excellent energy saving performance, suitable for mass continuous production of solder bars in solder manufacturing plants.

Main Technical Parameters

Item	Specification
Equipment Name	Automatic Solder Bar Casting Line
Tin Melting Furnace Capacity	1500 kg Infrared Energy-Saving Melting Furnace
Furnace Heating Power	36 kW / 380V
Robotic Arm Power	12 kW



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Furnace Stirring Motor Power	750 W
Melting Pot Material	316 Stainless Steel, thickness 12 mm
Melting Pot Dimension	$\Phi 900 \times 400$ mm
Overall Dimension (Melting Furnace)	$\Phi 1260 \times 670$ mm
Production Capacity	700 ~ 800 kg / hour
Applicable Material	Leaded solder alloy, lead-free solder alloy
Temperature Control	Omron PID intelligent constant temperature control, multi-segment scheduled start & stop
Heating Method	Near-infrared energy-saving heating system