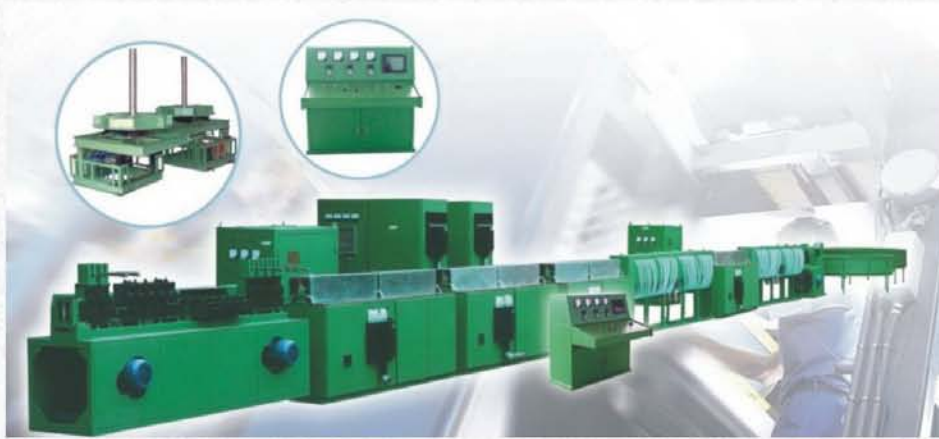


弹簧钢丝及管桩热处理生产线

Spring Steel Wire and PC Bar Induction Heating Treatment Line



产品介绍:

弹簧钢丝及高强度预应力钢棒热处理生产线，又称管桩钢丝（PC钢棒）热处理生产线。它是由放线装置、矫直装置、牵引装置、淬火装置、回火装置、剪切装置、收线装置等组成的机械系统，及由多台工作在不同频率的大功率感应加热电源装置、自动控制和配电操作装置等共同组合的机电一体化感应热加工成套设备。主要应用于冶金建材、金属制品等行业。是管桩钢丝、铁路轨枕钢丝及多种线缆材料感应热处理加工的最佳成套生产设备。

产品特点:

采用国际先进的IGBT型感应加热电源，国内先进的成套机械装置及PLC系统控制技术。生产线在线自动调控和监测，淬火、回火温度的高精度跟踪、监测及数字显示，保证产品的合格率。完善、可靠的故障监测及保护系统，确保整套设备连续、安全的平稳运行。本生产线广泛应用于 $\Phi 7.1$ 、 $\Phi 9.0$ 、 $\Phi 10.7$ 、 $\Phi 12.6$ 四种规格的PC钢丝线和 $\Phi 8$ — $\Phi 13$ 的弹簧钢丝线的热处理，是钢丝热处理行业的一个创新，获得了国家专利。其优点主要表现在产量高、设备质量可靠、节约厂房和设备投资，节约电耗。

Product Introduction

Spring Steel wire and high-intensity Pre-stress Steel Bar Heat Treatment Product Line, also named Pipe Pile Steel Wire (PC Steel Bar) Heat Treatment Product Line. The mechanical system is consisted of spin wire devices, straightening devices, traction equipment, quenching equipment, tempering equipment, shearing mechanism and wire collection devices. The electric system is consisted of several induction power supply devices which working in different frequency, on-line automatic control device and power distribution device. The production line is widely applied in metallurgy, construction material, auto mobile parts and other metal wire heating treatment fields. It is the best complete set of production line for the induction heat treatment of processing pipe pile and spring steel wire, railway sleeper steel wire and various cable materials.

Product Features

It adopts the international advanced IGBT type induction heating power supply, the domestic advanced sets of mechanical device and PLC system control technology. It can regulate and monitor online speed on the production line, high precision tracking monitor the temperature of quenching and tempering and have digital display. It can ensure Product Pass Rate. The perfect and reliable failure monitoring and protection system ensure the whole line continuous and steady working. The line is especially applied for PC steel wire: $\Phi 7.1$, $\Phi 9.0$, $\Phi 10.7$, $\Phi 12.6$ and spring steel wire: $\Phi 8$ — $\Phi 13$ heating treatment. This production line is an innovation in the production of steel wire with the national patent. The advantage characters are high productivity, reliable quality, less investment and less power consumption.



Straightening and hauling machine of
Pipe pile steel wire heating treatment line



Spring steel wire heating treatment line on site



Spring steel wire



PC Steel bar