

全自动带剥漆绕线机

Full-automatic enamel-stripping and winding machine



全自动带剥漆绕线机是在通用的绕线机基础上增加一组剥漆装置，并和绕线机控制系统伺服实现高速运动控制，实现全自动剥漆、绕线、缠头。

剥漆机构安装于三轴运动部件上。该剥漆机构由伺服电机驱动装置驱动，剥漆机构包括多组脱漆刀传动组和高速传动装置组成，该脱漆刀传动组底端设置有至少三片刀刃组成的脱漆刀片组，在高速传动装置的旋转带动下，脱漆刀片组在旋转扭力与调节阀限位的作用下可以稳定、快速剥漆。剥漆机构具有结构简单、控制调节简单、高效精准剥漆皮、又容易与现有绕线机合为一体的优点。

Full-automatic enamel-stripping and winding machine is made by adding a set of enamel stripping mechanism to the general winding machine. This enamel stripping mechanism realizes high-speed motion control with the servo of control system of winding machine, and thus providing the functions such as enamel stripping, winding and wrapping.

This enamel stripping mechanism is installed on the three-spindle moving part and driven by servo motor driving unit, being comprised of multiple enamel stripping cutter transmission groups and a high-speed transmission unit. The enamel stripping cutter group made of at least three cutters is installed at the bottom of the enamel stripping cutter transmission group. Driven by the high-speed transmission unit, the enamel stripping cutter group can strip the enamel in a stable and fast manner under the action of rotation torsion and limit of adjusting valve.

With simple structure and easy control and regulation, this enamel stripping mechanism can strip the enamel efficiently and precisely, and combine with existing winding machine expediently.

主轴数 (Spindle number)	8、12、16、24
主轴转速 (Spindle speed)	标准 (Standard): 15000rpm MAX:20000rpm
主轴间距 (Spindle interval)	30, 40, 50, 60, 80, 100, 120mm
绕线线径 (Wire diameter)	Φ0.2~0.8mm
控制系统 (Control system)	方式: 可编程控制器 (PLC), 工控机 (PC) (Mode: Programmable logic controller, industrial personal computer)
电机总功率 (Total motor power)	3.0kw~10kw
电源 (Power supply)	三相 380V, 50Hz 中国大陆标准电网 (Three-phase, 380V, 50Hz, standard power grid of Mainland China)
气源 (Air supply)	0.4~0.6MPa
最大回转直径 (Max. swing diameter)	Φ25~Φ115mm
功能 (Function)	自动上料、自动绕线、自动剥漆、可附加自动捻线、张紧力自动调节，主轴转速连续可调。 (Automatic loading, automatic winding, automatic enamel stripping; optional automatic twisting, automatic tension adjustment and continuously adjustable spindle speed)