

自动焊接中心
Auto-matic welding center



主要功能及特点 Main functions and features

该自动焊接中心由焊接操作机、自动埋弧焊机、焊接滚轮架(或焊接变位机)组成。该中心实现三位一体联动控制, 可配置焊接跟踪及监控、电弧摆动、弧长控制、自动焊嘴偏转、回收等装置。对金属容器、金属焊接结构件进行各种焊接。各种方式的焊接, 用于压力容器、锅炉、石化设备、电厂建设、冶金建设、工程机械、船舶制造、风力塔筒、石化建设等众多行业。

This auto welding center is composed of welding manipulator, automatic submerged arc welding machine and welded turning rolls (or positioner). The center implements three-in-one linked control, which can be equipped with welding tracking and monitoring, arc swinging and length control, automatic welding head pivoting and recycling devices. It can carry out welding of various manners and sites for metal containers and metal welding structures used in chemical pressure vessel, boiler, cooling device, power plant construction, metallurgy construction, engineering machines, shipping manufacture, wind tower, petrochemical construction.



三维自动跟踪监控系统
Three-dimension auto-tracking monitoring system



自动弧长控制
Auto-tracking of welding arc



LH自动焊接操作机
LH Auto-welding manipulator



主要功能及特点 Main functions and features

自动焊接操作机作为一种焊接辅助机械, 可根据用户工艺要求选配焊接系统。该设备具有焊接跟踪及监控、电弧摆动、弧长控制、自动焊嘴偏转、回收等装置。对金属容器、金属焊接结构件进行各种焊接。各种方式的焊接, 用于压力容器、锅炉、石化设备、电厂建设、冶金建设、工程机械、船舶制造、风力塔筒、石化建设等众多行业。

As an assisting welding machine, automatic welding manipulator can be selected for assisting welding system according to the site demands of customers. The assembling of cross arm adopt AC frequency stepping driving and runs with a steady speed. The head is equipped with electric cross line line mechanic, which may take the position of welding line. Cross arm fitting is accompanied with clean limit-proof and gliding guarantee device. Post revolving has arresting device and is fairly safe.



垂直升降机构
Vertical lifting mechanism



主要技术参数 Main technical parameters

规格型号 Type	LH-1235	LH-3040	LH-4590	LH-5000	LH-8080
额定提升行程 (mm) The diameter of the subtable (mm)	800-1200	800-3000	1000-4500	1000-5000	1000-6000
额定提升速度 (mm/min) The diameter of the subtable (mm)	3500	4000	8000(二级)	6000	8000(二级)
额定提升行程 (mm) The diameter of the subtable (mm)	1400	3000	3500	3000	4500
额定提升速度 (mm/min) The diameter of the subtable (mm)	±0.2~160(二级)	±180*	158*	±180*	±180*
额定提升速度 (mm/min) The diameter of the subtable (mm)	0.8	0.8	0.8	0.8	0.8
额定提升速度 (mm/min) The diameter of the subtable (mm)	0.12-1.2	0.12-1.2	0.12-1.2	0.12-1.2	0.12-1.2
总重量 (kg) Total weight (kg)	1000	1500	2000	2000	2700



焊接滚轮架
Welding Turning-roll



主要功能及特点 Main functions and features

焊接滚轮架有自调式、可调式、平车式、可倾式及带驱动等多种形式。标准配置为一个主动和一个被动组合使用, 在工作时较长, 可来一个主动或多个被动组合使用。

Welding turning rolls has self-adjustable type, zoom type, full height type, tilable type and play-proof type. In standard configuration, an active one is combined with a passive one or several passive ones if the workspace is too long.



滚轮架应用
Turning-rolls application



批量出口的滚轮架
Turning-rolls to be Exported in batch

HGZ自调式滚轮架
HGZ Self-adjustable Turning-roll

自调式滚轮架适用于圆形筒体的焊接, 可根据筒体大小自行调节, 有多种规格可供用户选择, 大吨位的可为设计制造。

Self-adjustable type turning rolls is applied to the welding of cylinders and can be self-adjusted to the size of the cylinder. Various specifications are available for the users and large tonnage rolls can be customized.



主要技术参数 Main technical parameters

规格型号 Type	最大承载量 (kg) Max load (weight)	额定工作范围 (mm) Diameter and width of the subtable	滚轮直径及间距 (mm) Diameter and width of the roller	滚轮速度 (mm/min) Roller speed	电机功率 (kw) Power	驱动方式 Way of driving
HGZ-5	5000	Φ250-2300	Φ250-100	2~Φ200-25	6-60	0.75
HGZ-10	10000	Φ300-2800	Φ300-120	2~Φ200-25	6-60	1.1
HGZ-20	20000	Φ500-3500	Φ350-120	2~Φ300-30	6-60	1.5
HGZ-40	40000	Φ600-4200	Φ400-120	2~Φ300-40	6-60	3
HGZ-60	60000	Φ750-4800	Φ450-120	2~Φ400-50	6-60	4
HGZ-80	80000	Φ850-5000	Φ500-120	2~Φ400-60	6-60	4
HGZ-100	100000	Φ1000-5500	Φ500-120	2~Φ400-70	6-60	5.5
HGZ-150	150000	Φ1000-6000	Φ500-120	2~Φ400-70	6-60	2x3

HGK可调式滚轮架
HGK Adjustable Turning-roll

可调式滚轮架有链杆可调式及电机驱动两种, 通过调整滚轮的中间距, 适用于不同直径筒体。Zoom type turning rolls is divided into screw-adjustable type and machine adjustable type. Through turning the center-to-center of the wheels, it can be used for cylinders of various diameters.

