

Controller Specifications

| Items | Specifications |
|----------------------------|--|
| Model Name | HI5a-S30, S00, S80 / HI5a-S20 |
| Operating Mode | Teaching & Playback |
| Interpolation | Point-to-Point, Linear, Circular |
| Max. Axes | Max. 16 axes simultaneously |
| Number of Steps | 4MB (max. 21,000 steps) |
| External Program Selection | Binary 255 / Discrete 8 |
| Position Detector | Serial Absolute Encoder |
| Program Back-up | USB Memory |
| Servo Drive System | Full Digital Servo |
| Digital Input / Output | Max. 256 / 256 |
| Analog Input / Output | 8 / 8 |
| Conveyor Pulse Counter | Differential & Open Collector Type |
| User / Machine Interface | 2 x Ethernet (100 Base-T) 2 x RS232C/RS422 1 x USB (for backup, version-up) 2 x CAN (2 option) 1 x SD Card |
| Fieldbus(option) | PROFINET IO-Controller / IO-Device EtherNet/IP Scanner / Adapter EtherCat Master / Slave DeviceNet Master / Slave PROFIBUS-DP Master / Slave CC-Link Slave (V1.10, V2.0) CC-Link IE Slave MODBUS (Serial) |
| Rated Supply Voltage | 3 φ AC220V ± 10%, 50/60Hz (Standard) 3 φ AC380V ~ 480V ± 10%, 50/60Hz (Option) |
| Max. Rated Power | 4.4 ~ 10.5kVA (Instant Max. 30kVA) |
| Size (W x H x D) | HI5a-S30/00/80 : 700mm x 900mm x 630mm HI5a-S20 : 550mm x 600mm x 300mm |
| Environment | IP Class : IP54 Ambient Temperature : 0°C ~ 45°C Relative Humidity : 20~95%, Non-condensing |

Teaching Pendant Specifications

| Items | Specifications |
|-------------------|--------------------------------|
| Model Name | TP520 |
| Operating System | Windows CE |
| Display | 7" Color TFT-LCD / Touch Panel |
| Operating Mode | Menu Driven and Code Input |

- Robot tasks are programmed in easy language similar to BASIC.

- Advanced control technologies are applied, such as path-invariant motion planning, dynamic model based control and vibration suppression control.

- Provides reliable maintenance methods for maximizing availability by on-line manual and remote monitoring system.

- Reduces installation time and increases productivity with powerful S/W tools on PC like HRSpace, HRLadder, etc.

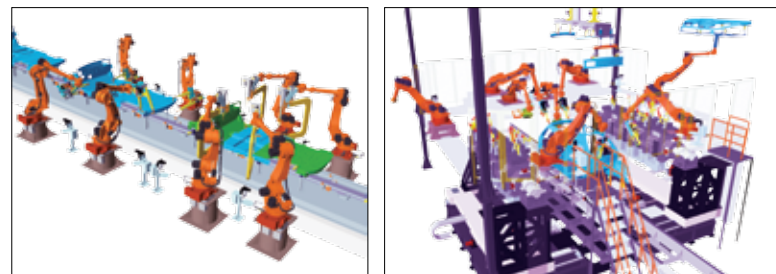
- Supports various fieldbus and communication solutions to adapt any manufacturing environment.

- Complies with ISO 10218-1:2011, ANSI/RIA15.6:2012 safety standards.

Off-Line Programming

Simulate and create robot applications in your office

- ROBCAD Interface
- Teaching Pendant Interface
- File Up / Down Load
- RCS (Robot Controller Simulation)
- ROBCAD / DM-Works / PS / PowerMill Interface



Certificate (ISO 9001, ISO 14001, CE, NRTL, TR-CU, Functional Safety, IECEx)



KOREA: DAEGU (HEAD OFFICE)
50, Techno sunhwan-ro 3-gil, Yuga-myeon, Dalseong-gun, Daegu, Republic of Korea
TEL(ARS): +82 1588 9997 - 1

KOREA: Ulsan
101, 201-4, 201-5, Ulsan Support Center, 115, Maegok-ro, Buk-gu, Ulsan, Republic of Korea
TEL : +82 53 670 7052

KOREA: ASAN
196-11, Songgok-ri, Yeomchi-eup, Asan-si, chungcheongnam-do, Republic of Korea
TEL: +82 41 534 4295

KOREA: BOONDANG
43, Dolma-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
TEL : +82 53 670 7072

CHINA: BEIJING
Room 901, Jiuxianqiao Middle-road No. 26, Chaoyang-district, Beijing, China
TEL : +86 10 8045 6677

CHINA: SHANGHAI
#12, Zhidong-road, Minhang-district, Shanghai, China
TEL : +86 400 838 1972

CHINA: YANCHENG
Room 1512, Huabang International Building 2, Renmin SouthRoad No.1, Tinghu District, Yancheng, China
TEL : +86 400 838 1972

CHINA: CHONGQING
Room 6-1, Unit 1, Building No.13, Qixia Road No.18, North New District, Chongqing, China
TEL : +86 400 838 1972

CHINA: SHENZHEN
1208, Yanxiangzhigu, #11 Gaoxin Road, Guang Ming District, Shenzhen, Guangdong, China
TEL : +86 400 838 1972

CHINA: FUZHOU
2212, Block A1, Wanda Plaza, Fuzhou City, Fujian Province, China
TEL : +86 400 838 1972

DENMARK: ROBOTICS EUROPE
Helge Nielsen Alle 10, 8723, Losning, Denmark
TEL: +45 7023 2070

ITALY: K.L.A.IN.ROBOTICS
REGISTERED OFFICE - ITALY: Via F.Lli Porcellaga, 3 - 25122, Brescia (BS)
MAIN OFFICE AND W/H - ITALY: Via Cacciamaali, 6725125, Brescia (BS)
TEL: +39 0303 582 154

NETHERLAND & BELGIUM & LUXEMBERG : ROBA ENGINEERING BV
Ambachtenstraat 48, 1191 JN Ouderkerk a/d Amstel, Netherland
TEL: +31 20 472 4554

HUNGARY & ROMANIA & UKRAINE : DELTA ROBOTICS HUNGARY KFT.
2051 Biatorbagy, Fo utca 4, Hungary
TEL: +36 70 426 5070

TURKEY: BALKAN ROBOTIK
ENDÜSTRİYEL EKİPMANLAR SAN.TİC.LTD.ŞTİ.
ULUTEK TEKNOLOJİ GELİŞTİRME BÖLGESİ NO:407
ULUDAĞÜNİVERSİTESİ GÖRÜKLE YERLESKESİ NİLÜ FER/BURSA TÜRKİYE
TEL: +90 224 443 2919

THAILAND: T.N.METAL WORKS CO.,LTD
92/1 Moo 7 Petchkasem RD. Omnoi, Krathumban Samutsakorn 74130, Thailand
TEL: +66 2 115 5000 ext. 388

ARGENTINA: TECMAHE
AV. DE LOS CONSTITUYENTES 1500 (B1650LWQ) Villa Maipú, San Martín Buenos Aires, Argentina
TEL: +54 11 4752 3811

BRAZIL: Unimacq Brasil
RUA SÃO MIGUEL, 183 BAIRRO PINHEIRINHO VINHEDO - SÃO PAULO, Brazil
TEL: +55 19 4117 0287

GERMANY: SHERPA Robotics GmbH
Glojenberg 44, D-22848 Norderstedt, Germany
TEL: +49 40 2263 7144 - 0

INDIA: YOOCHANG ROBOTECH INDIA PVT LTD
#78, Sidco Industrial Estate, Thimunizal, Chennai-600124 Tamilnadu, India
TEL: +91 44 2681 1216

USA: DAESIN ROBOT, LLC.
404 Fox Run Ave, Opelika, AL 36801, USA
TEL: +1 334 745 3119



HYUNDAI ROBOTICS INDUSTRIAL ROBOT SERIES

Robot Application



Car body line in China



Car body line in Czech



Arc welding robot



Inspection robot system



Handling robot for press line



Spot welding robot for train

System Configuration



