# KR 180 R3200 PA Quantec Robot with KRC4 Controller

## KR 180 R3200 PA Quantec Robot Arm

- 180kg Payload
- 3195mm reach
- Repeatability +/-0.06mm
- IP65 Protection Rating
- Floor Mounting
- Integral fork lift brackets
- Detachable robot connection cables
- Brakes on all axes
- ISO flange
- Universal mastering interface
- Locally maintained resolver positioning data

## KRC4 NA Robot Controller including:

- Open, network capable PC technology
- Available with 1 or 2 external drive units
- USB ports on front door for data backup
- 30 GB hard drive
- North American transformer
  (480vac primary standard - other primary voltages available)
- Ergonomic KUKA smartPAD Teach Pendant with:
  - 10 meter cable (other lengths available)
  - full graphics, color touchscreen display
  - 6-D mouse
  - Mode Selector Switch
  - Integrated USB Interface
  - Emergency Stop and enabling switches
  - Hot-Plug Functionality
- Teach Pendant Holder
- Simple programming via KUKA smartPAD with Windows user interface
- KRL base operating software including the following features:
  - Collision Detection
  - Work Cell Monitoring
  - KUKA Limit Point Correction
  - Password Protection
  - Log Book
  - Torque Mode (Soft Servo)
  - Constant Path at any speed
  - Endless Rotation – 6th Axis  (software configurable)
  - Oscilloscope (Predictive Maintenance Tool)

| | Part No. | Qty. | List Each | Net Each | Net Total |
|---|---|---|---|---|---|
| **KR Robot and KRC4 Controller, each to include:** | | 4 | $82,150 | $51,590 | $206,360 |
| KR 180 R3200 PA | 197325 | 4 | Included | - | - |
| ES15 075 CTR MB1 PNT EPS AIR AIR | 211944 | 4 | Included | - | - |
| plug sub package   arm | 216003 | 4 | Included | - | - |
| plug sub package   base | 216002 | 4 | Included | - | - |
| R0000 KUKA Orange | 260580 | 4 | Included | - | - |
| Connection cable set X20 cmpl.;7m | 179528 | 4 | Included | - | - |
| Ground Cable 16mm²;7m | 182643 | 4 | Included | - | - |
| **KUKA  Control Unit** | | 4 | Included | - | - |
| KR C4 Basic cabinet NA - RAL 7016 | 199755 | 4 | Included | - | - |
| Servo configuration SC4 PA-UL | 197716 | 4 | Included | - | - |
| RAL 7016 anthracite / KUKA orange | 185439 | 4 | Included | - | - |
| lettering en/fr | 193065 | 4 | Included | - | - |
| Cabinet lock US type | 193015 | 4 | Included | - | - |
| Standard cabinet base - RAL 7016 | 199807 | 4 | Included | - | - |
| Power infeed NA TOP transformer 13kVA | 218319 | 4 | Included | - | - |
| CSP Standard 2xUSB3.0 | 238015 | 4 | Included | - | - |
| KUKA.EtherNet IP 2.0 Scanner / Adapter | 205525 | 4 | Included | - | - |
| Interface Ethernet X66 (1x) | 189371 | 4 | Included | - | - |
| transformer 13kVA 480V | 220593 | 4 | Included | - | - |
| KUKA Recovery 2.2 USB Stick 8GB (USB2.0) | 243400 | 4 | Included | - | - |
| KUKA smartPAD 10 m | 168334 | 4 | Included | - | - |
| smartPAD holder RAL 7016 | 199916 | 4 | Included | - | - |
| **KUKA.Safety** | | 4 | Included | - | - |
| KUKA.SafeOperation 3.2 | 217029 | 4 | Included | - | - |
| reference switch module 15m straight | 138452 | 4 | Included | - | - |
| Safety interface X11/X13 SafeOperation | 187079 | 4 | Included | - | - |
| Interface reference switch X42 | 180300 | 4 | Included | - | - |
| **KUKA.Software** | 97003912 | 4 | Included | - | - |
| KR C4 Docs & Parts Standard | 191987 | 4 | Included | - | - |
| KUKA System Software (KSS) 8.3 | 236449 | 4 | Included | - | - |
| KUKA.WorkVisual | 235353 | 4 | Included | - | - |
| KUKA.Remote Service 1.2 | 252940 | 4 | Included | - | - |
| PROG P1 KSS8 (Robot Programming 1 - 5 days) | 96000566 | 2 | Included | - | - |
| **System Integration and Soft PLC** | | | Included | | |
| KUKA.PLC ProConOS 4-1 4.1 | 212732 | 4 | Included | - | - |
| KUKA.PLC mxAutomation 2.0 | 233923 | 4 | Included | - | - |
| **TOTAL** | | | | | **$206,360** |

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|---|---|---|---|---|---|
| **KR Robot and KRC4 Controller Options \*\*\*** | | | | | |
| Standard EMD Mastering Set | 228934 | 1 | $2,300 | $1,495 | $1,495 |
| KUKA.PLC Multiprog 5-48 4.2 MK DVD (must have 1 copy for mxAutomation) | 257463 | 1 | $1,507 | $979 | $979 |