

CONTROL UNIT

All your needs are under control

Fast processing, modular system for drive units, I/O and fieldbus, free and ergonomic space for application functions integration, compact dimensions. All you need is under control.

R1C



High processing power

The C5G uses the latest generation of industrial PC APC820 with Core2 Duo technology CPU which is capable of obtaining high performance with low energetic consumption

Energy saving

- Lowest consumption in stand-by, low consumption during operations
- Cooling system is proportional to control unit's operations
- Energy network recover system with a high dynamic content program

Flexibility and reliability

The new generation of field bus based on Hilscher technology and integrated by B&R in their remote I/O X20 family, guarantees a flexible and reliable interface in every customer application. Modular interfaces are available, such as digital I/O, analog I/O as well as the position transducer encoder, resolver, etc.

RobotSAFE

Safe robot controller models allow a safety-rated management of the robot motion (joint or cartesian mode) and speed, offering advantages in terms of smaller layouts and absence of physical fences. Using sensors we provide the safety of your automatic cell without affecting your productivity

Modular / expandable

Modular system for drives up to 13 axes in the base cabinet^(*)

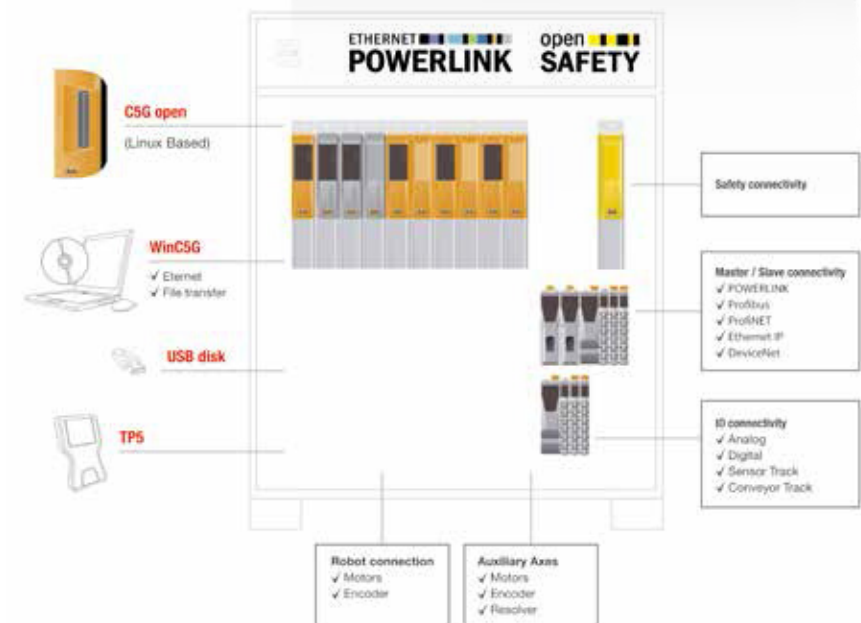
Simultaneous management of several robots

Hardware architecture designed to manage up to 16 axes^(*) in "multi-arm" configuration with application box

^(*)Depending on the robot model



Functional diagram



3D off-line programming

with Robosim Pro

Multi applications management

Possibility to manage many applications at the same time

C5G open controller: becomes the real driver of the robot's motion

It allows the development of customized motion algorithms and special applications with the use of sensors

R1C

- Controls up to 6 axes, equipped with brushless synchronous motors and high resolution Encoder
- Interfaces with the most common Field Bus and communication protocols
- Can become an Ethernet network node to facilitate remote updates and diagnostics
- Programmable via software and by Comau Teach Pendant

Main technical data

- Dimensions: 266x427x498 mm
- Weight: 23 kg
- Working temperature: 5 to 45°C
- Humidity: 95% max, no condensation
- Extended line power range: 230V \pm 10%

