



CONDOR III



SOCIETE D'INNOVATIONS TECHNIQUES S.A.S.

11 rue André Boule – ZI Nord – BP 845

F – 86108 Châtelleraut Cedex

Phone : +33 549 200 019 – Fax : +33 549 232 423

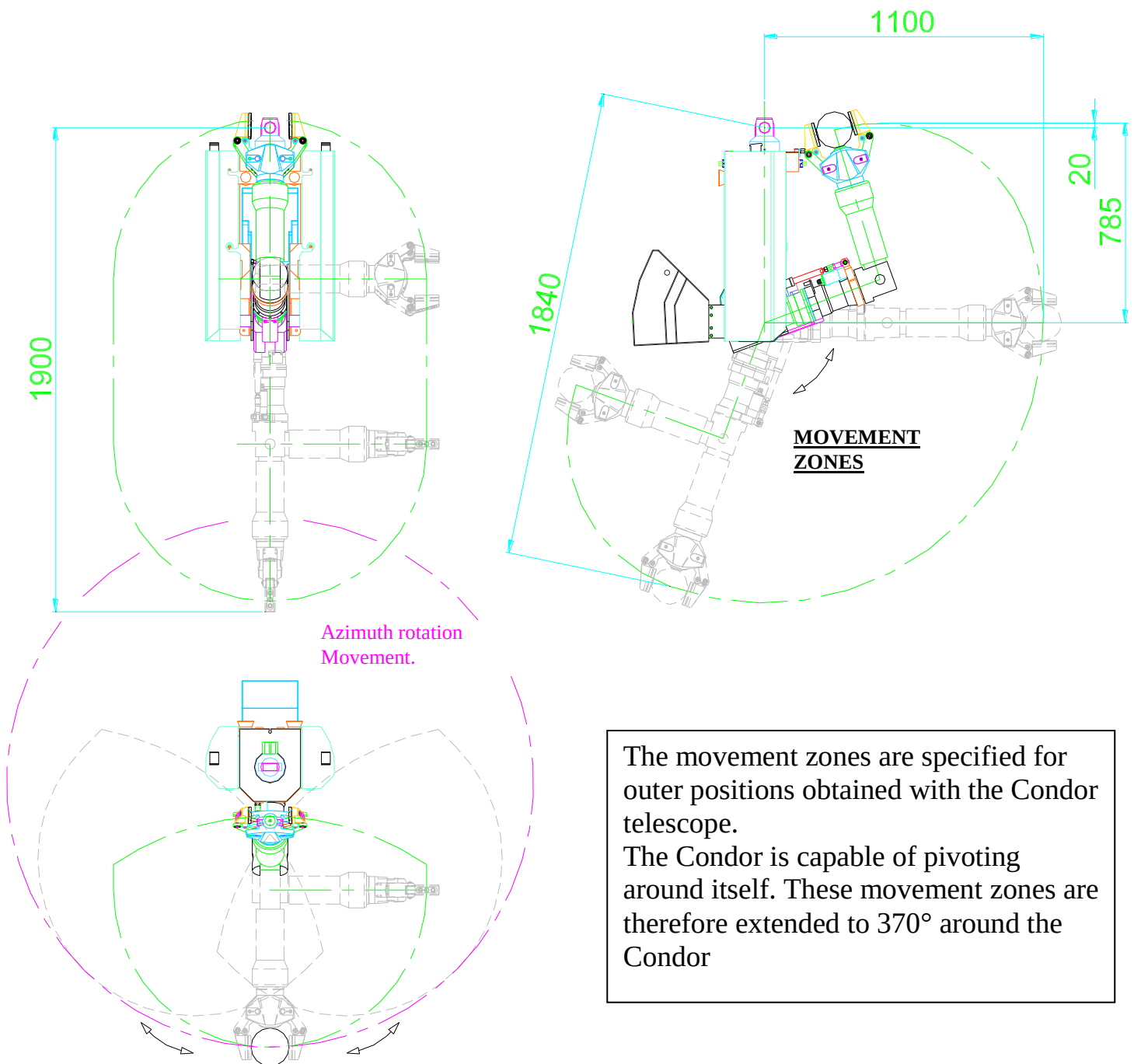
E-mail : sit@s-i-t.com

January 2008 Edition



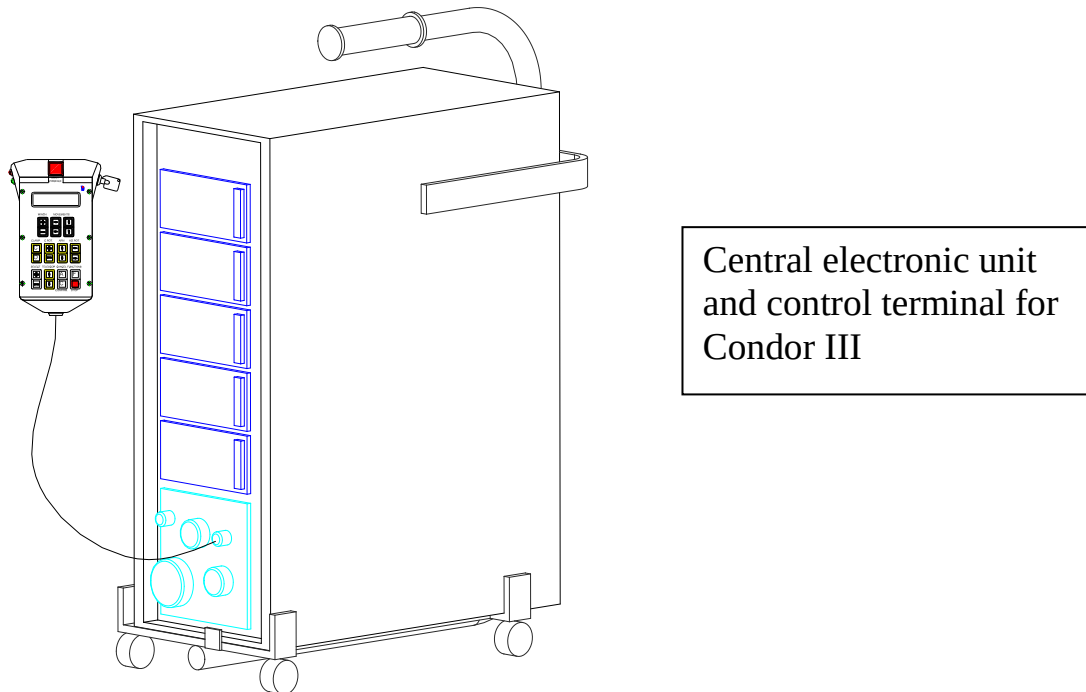
"CONDOR III"

The "Condor III" is a new range in the "Condor SIT" type remote handling device series.



With its numerous features, including a 40 Kg lifting capacity, the Condor III is an ideal midway solution, between a conventional mechanical remote handling device and a heavy duty handling device.

The "Condor III" has the same technical basis as the "Condor II", with 2 additional degrees of mobility. The result is a 7 axis remote handling device, in addition to the 3 platform axes, forming a flexible 10 axis unit.



The "Condor III" has no trouble performing fine, precise access movements, which are often necessary in difficult situations.

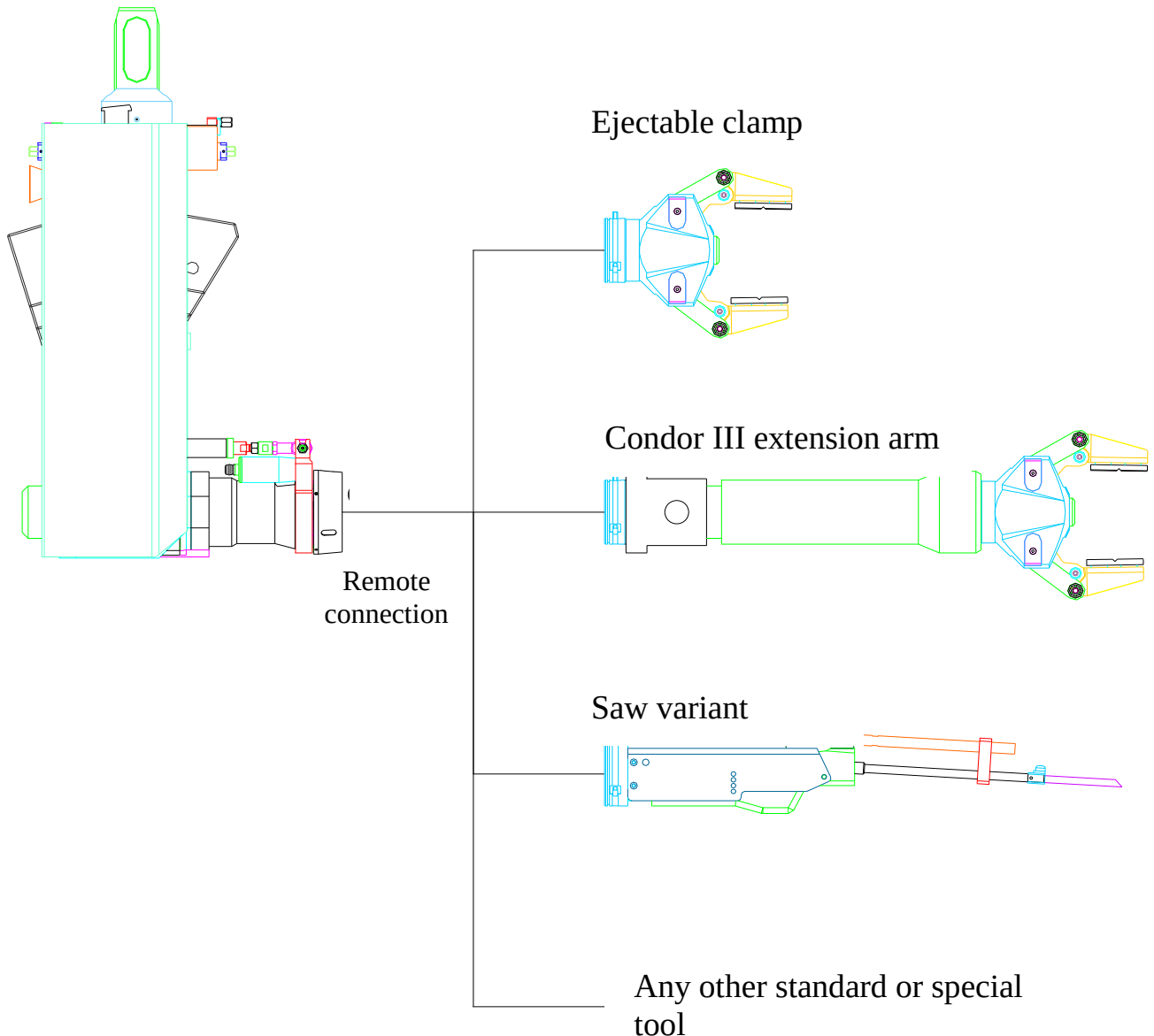
With these new features, the "Condor III" can be used in conditions in which conventional remote handling devices lack power or where heavy duty devices lack flexibility.

The "Condor III" is therefore the ideal remote handling device for the daily duties of Master/Slave remote handling device users.



"CONDOR III"

The "Condor III" differs from the "Condor II" by its articulated arm, which is fitted in place of the Condor II's removable clamp. It is implemented using the remote control connection/disconnection system and the Condor concept's integrated wiring.



Likewise, other tools can be fitted in place of the ejectable clamp, such as reduction and disassembly tools (hammer wrench). These tools are controlled directly from the Condor terminal and no additional wiring is necessary to connect them.



TECHNICAL CHARACTERISTICS OF CONDOR III

- Complete arm in vertical position and clamp closed
(in a maximum diameter of 520mm)
Height at block and tackle pin : 1900 mm
- Arm in horizontal position
Height at block and tackle pin : 890 mm
- Distance from jaw centre to block-and-tackle axis : 1000 mm (1100 with telescope)
- Arm elevation above horizontal position : from +20° to -110°
- Clamp opening : 165 mm
- Clamp force : 4 programmed forces
- Continuous clamp rotation in both directions : 2 speed available
- Electrical powersupply in power unit : 220V / 50Hz
- Operating temperature : from 0 to 45°C
- Regulator power supply : 60 VDC
- Motor power supply on device : from 24 to 48 V
- Self-balancing under load, irrespective of telescopic arm position.
- Maximum load weight : 40Kg
- Extension arm orientation : from -90° to +90°
- Continuous rotation of extension arm around its axis.
- The different modules are remotely interchangeable, in just a few minutes, using a single 16mm ratchet wrench (SIT patented tool).

We reserve the right to make any changes without prior notice, in order to improve our service and the quality of our products.