

**On-site services / Installation / General conditions****On- site services**

1. A forklift (3 tons) with driver and possibly a lifting platform is required for the assembly is required for the installation.
2. Main electrical connection for switch and control cabinet 230/400 V, 3 L/N/PE, 50 Hz, incl. cable laying up to the central control cabinet. (Deviations possible)
3. During the complete installation/IB the following media must be provided in sufficient quantity and quality: Compressed air, electricity (240VAC and 400 VAC), water, solvents. Empty containers may also be required. 4.
4. Provision of all necessary interlocks as potential-free, 2-channel contacts (contact design according to agreement), emergency stop, possibly special contacts, incl. cable laying up to the control cabinet. (Changes possible according to order)
5. Equipotential bonding cable including laying up to the equipotential bonding rail according to VDE 0141
6. Possibly required protective grids and barriers according to UVV.
7. Unloading and transport of the plant components to the place of use, as well as any lifting equipment and auxiliary assembly material required, e.g. forklift trucks, ladders, lifting platforms, etc. all logistics on the construction site are the responsibility of the customer.
8. Fire and theft insurance for the delivered material.
9. Pneumatic connection for switch and control cabinet as well as supply and connection of compressed air supply lines min. 6 bar pre-regulated incl. shut-off device, free of oil and condensate (class 5 according to ISO 8573.1 incl. laying and connection up to the supply point.
10. Evenness of a load-bearing surface.
11. Official approvals and regional regulations.
12. Room or storage space for proper temporary storage of the plant components delivered to you.
13. Light, air-conditioned (heating / air-conditioning) working areas, as well as sanitary and social rooms for the assembly team during the entire presence of Reinhardt-Technik employees on the construction site.
14. Infrastructure for remote data transmission. Telephone connection for modem (teleservice - device) or network connection in the control cabinet. Alternatively, VPN access. One of the mentioned alternatives must be available until the time of commissioning. Be available. (by Arrangement)
15. Foundation, masonry work and floor coating measures as well as, if necessary. Necessary platforms (raised platforms) or floor plates for control cabinets, lifting equipment or robots.
16. Disposal of waste and packaging materials.
17. Possible on-site technicians of the adhesive supplier during the commissioning phase.

18. Construction services / consumables: raw materials, auxiliary materials, and supplies:  
E.g. hydraulic oil, nitrogen, adhesives, potting compound, etc.

19. Assembly materials that were not discussed in the order/quotation negotiations must be provided by the customer.

**The individual points are discussed during order/quotation negotiation and adapted to the scope of delivery.**

**Assembly, commissioning, training, and production support Content**

See order confirmation.

**Assembly**

To ensure a smooth installation process, an installation meeting is held in advance. Ideally, your in-house institutions should take part in this assembly meeting.

**Functional test**

After completion of the installation, the system is checked for proper functioning, a test report is prepared and signed by the customer and our installation manager. The test covers all essential plant functions of the scope of delivery/share of Reinhardt-Technik.

**Commissioning**

The commissioning or the running-in of the plant with material as well as the acceptance is also carried out by our installation manager directly after the functional test. During the running-in phase, your operating personnel will be instructed in the handling of the plant. We recommend that you consult your adhesive supplier for the running-in phase.

Waiting times which occur through no fault of our own - for any reason - as well as the resulting need for the fitters to travel to and from the plant several times, will be invoiced on receipt of proof.

The indication of commissioning refers to the presence of our service people during daytime operation.

**Staff instruction and training**

The instruction of the skilled personnel takes place in connection with the commissioning.

Further training courses can be arranged separately at a charge.

The transfer of risk to the purchaser takes place with the successful commissioning.

**Acceptance**

Directly after commissioning, an 'acceptance protocol' is drawn up and the plant is handed over. The acceptance takes place under the following criteria:

- Completed functional test
- Sufficient adhesive must be available free of charge for the duration of the acceptance test.
- All peripheral plant components directly linked to the bonding process must be fully functional.

Defects identified during the acceptance test are listed in the acceptance report and given a provisional completion date. Acceptance can be refused only in case of serious defects that make production impossible.

### **General conditions**

The client must ensure that at all times during installation, in particular from trial operation onwards, the local accident prevention regulations for the adjacent or associated plant, construction or building parts are fulfilled.

If you wish a change in the execution of the assembly compared to previously made agreements, we request here in principle a written order, so that the assembly personnel receives the appropriate instructions from us.

Should the execution of work declared as on-site services be carried out by our assembly personnel or should the customer expressly request this, invoicing will be carried out on separately listed timesheets in accordance with our terms and conditions upon proof.

If the installation has to be interrupted for reasons not attributable to us, or if the installation is delayed - also for reasons not attributable to us - all costs resulting from this, in particular waiting times and further necessary travel costs to and from the site, shall be borne by the purchaser.

Consequential costs, such as loss of profit, production downtime costs, etc., are generally excluded, unless Reinhardt Technik can be accused of gross negligence or intentional action, or it is a culpable injury to life, limb and health.