

Appendix sheet to the Delivery and Service Conditions of Windmöller & Hölscher (W&H)

Unless otherwise agreed in writing between Customer and W&H, Customer shall perform and complete the below specified work and supply the below specified services in due time at Customer's own expense.

1. General services to be provided by and obligations to be adhered to by Customer within the scope of a machine delivery with complete assembly as well as with all other assembly, repair and service tasks:

- | | |
|---|---|
| <p>1.1 Details for the supply and operating conditions according to the questionnaire provided by W&H at the time of order placement at the latest.</p> <p>1.2 Creation of the foundations and any pits, etc. that may be necessary, including the equipotential bonding and grounding cables to the connection points of the machine according to the foundation loading and energy connection diagrams specified by W&H.</p> <p>1.3 Performance of electrical and on-site work such as wall and ceiling penetrations, including sealing and weather protection facilities before W&H assembly and repair work starts.</p> <p>1.4 Securing the assembly and the intermediate storage area against theft and damage.</p> <p>1.5 Provision of sufficient space in a closed hall for the reception and delivery of the machine as well as sufficient space for the safe unloading, intermediate storage and handling of the machine components and the packaging material at the assembly or installation location of the machine. To unload the machine components from a truck, a level area or a loading ramp at international standard height must be provided. The dimensions of the hall doors and the in-house transport routes must safely permit the transportation of the machine components. Package sizes and weights can be found in the shipping / handling drawings specified by W&H. A sufficient floor loading capacity and surface properties must be ensured throughout the entire transport and assembly area, taking into consideration the weights of machine components and assembly devices (lift truck, crane, heavy-duty transport casters).</p> <p>1.6 Provision of personnel with suitable professional qualifications and language skills as well as the notification of a suitable professional service and factory company operating in the local area of the installation location and technical processing assistance in the event that W&H hires such a local company, in particular for carrying out transport and / or assembly work (e.g. provision of cranes and specialist personnel).</p> <p>1.7 Provision of suitable recreation rooms for W&H personnel with respective sanitary facilities and the necessary dry, lockable rooms for the storage of material and tools. Moreover the Customer shall provide, free of charge, telephone / fax, power (230V/400V) as well as, if necessary, an interpreter.</p> <p>1.8 Information about the applicable laws, provisions and official regulations for the presence of the W&H personnel must be provided and the W&H personnel must be familiarized with these rules in due time and in full if the deployment location is located outside of the Federal Republic of Germany and, if necessary, it must be ensured that visas and other official approvals for entry and departure, residence permits and work permits can be issued in time. Moreover, before commencing work, the</p> | <p>Customer must inform the W&H personnel about all relevant safety regulations and meet all necessary safety and protection measures at the work location, and maintain these during the execution of work. Costs incurred by W&H or the W&H personnel resulting from incorrect, insufficient or late information shall be borne by the Customer.</p> <p>1.9 Cleaning of the machine and removal of transport, anti-corrosive and other precautionary measures.</p> <p>1.10 Return of the transport locks and suspension devices to W&H.</p> <p>1.11 Correct disposal of the packaging material according to the legal and official guidelines applicable at the respective installation location.</p> <p>1.12 Necessary fresh air supply and hot air exhaustion according to the installation plans specified by W&H.</p> <p>1.13 Provision of energy supplies in the required quality (power, water, gas, compressed air) according to the confirmed Supply and Operating Conditions (as per 1.1) at the installation location of the machine up to the respective supply points, including shut-off valves in accordance with the installation, cable routing and energy connecting diagrams specified by W&H.</p> <p>1.14 Provision and connection of an isolating or autotransformer if this is required for adherence to the Supply and Operating Conditions specified by W&H.</p> <p>1.15 Provision of the connecting parts, assembly, wiring and commissioning of add-on units from the Customer that are not included in the W&H scope of supply. The Customer shall ensure and be responsible for ensuring that the add-on units comply with the safety guidelines, directives and standards applicable for the installation location. Add-on units provided late or in faulty condition by the Customer shall not entitle the Customer to refuse acceptance of deliveries and services W&H. Customer shall be responsible for the functional, control-related and safety-related linkage of components and parts that are not included in the W&H scope of supply to a W&H machine. W&H shall not assume any liability whatsoever for such third-party provisions made by the Customer.</p> <p>1.16 Implementation of connections for primary services on the machine, as well as on additional components such as temperature control units or chillers by a certified qualified electrician, including the provision of the necessary materials.</p> <p>1.17 Installation of the supply and return lines as well as the connection of all process piping (ink, solvent, lacquer, paste, glue, vacuum, cooling water, exhaust air, ozone, etc.) according to the connecting diagram specified by W&H.</p> <p>1.18 Supply of the switch cabinets and operator columns with overpressure in the event of dusty ambient air.</p> <p>1.19 Condensate drainage from equipment of the machine with climate control units for the electrical components.</p> <p>1.20 Provision or processing of the process energy (e.g. cooling water, thermal oil, gas, steam, hot water) required for operation of the machine and filling the machine for the first time.</p> |
|---|---|

- 1.21 Provision of a permanently connected intercom and a permanently connected analog data line or an Internet connection to a transfer point in the area of the machine to facilitate the remote diagnostics function.
- 1.22 If necessary, grouting of the foundations for the machine according to the foundation drawing specified by W&H, or in agreement with the installation supervisor designated by W&H.
- 1.23 Timely provision of all components and parts to be provided by the Customer, as specified in the sales contract and/or in the installation drawing.
- 1.24 Provision of all raw and auxiliary materials necessary and specified for the commissioning and acceptance of the machine in sufficient quantity as defined by W&H, the required format-dependent tools as well as the disposal of waste materials (ink, solvents, adhesives, etc.) from commissioning and trial runs in accordance with the statutory and regulatory provisions applicable at the respective installation location.
- 1.25 Provision of a suitable device for the material supply and disposal for the machine as long as this is not included in the W&H scope of supply.
- 1.26 Operating permits or necessary official permits required at the installation location.

2. Additional services to be provided by the Customer and obligations to be observed with printing and finishing machines

- 2.1 The type of hall flooring in the area of the machine according to the foundation drawing (F drawing) in an electrically conductive design, if the machine processes substances containing solvents. The conductivity of the hall flooring must be ensured beyond at least 1.0 meter across all areas of Ex zone 1. In Ex zones within the building that the machine passes through for installation, the legal and official provisions applicable at the installation location must be observed.
- 2.2 The creation of the necessary platforms including the cable trays required according to the installation and assembly process drawings specified by W&H.
- 2.3 The provision of the necessary calibration gases for testing the solvent warning facility. When using substances containing solvents, the machine may only be operated using solvent (vapor) analyzers. According to the W&H operating instructions, the Customer or the operator of the machine shall be responsible for the regular inspection and calibration of the solvent warning system.
- 2.4 The responsibility for the trouble-free compressed-air supply and flawless supply and removal of the washing solvent when purchasing a wash up system (e.g. TURBOCLEAN or HELIOCLEAN system).
- 2.5 The initial filling of the machine with thermal oil as well as the installation of thermal oil heaters or steam generators including the piping with full insulation for the supply of the heater / generator up to the machine, when using thermal oil, steam or hot water for drying.
- 2.6 The delivery and assembly, as well as the connection of exit air and fresh air piping, their complete noise and thermal insulation as well as the implementation of all necessary measures for emission measurement and emission reduction according to the applicable guidelines at the installation location of the machine.
- 2.7 The provision of fire extinguishers or a fire extinguishing system according to the local guidelines at the installation location of the machine as well as the routing of signal lines to the machine in accordance with the specifications of W&H.

3. Additional services to be provided by the Customer and obligations to be observed with converting machines

- 3.1 The provision of the adhesive supply and removal including the piping required for this purpose.
- 3.2 The supply and removal of water for cleaning purposes including the piping required for this purpose.
- 3.3 Creation of the cable ducts, cable trays and fixing systems according to the cable laying diagram specified by W&H.
- 3.4 The provision of fire extinguishers or a fire extinguishing system according to the local guidelines at the installation location of the machine as well as the routing of signal lines to the machine in accordance with the specifications of W&H.

4. Additional services to be provided by the Customer and obligations to be observed with blown and cast film machines

- 4.1 The creation of a tower and platforms according to the drawings / specifications or installation and assembly process drawings specified by W&H, taking into consideration EN ISO 14122-1 /-2 /-3.
- 4.2 The creation of the operating and maintenance platforms for the area of the blown film die heads and the downstream facilities according to the installation drawing specified by W&H.
- 4.3 The creation of the piping between the fan or heat exchanger for the film cooling and the die head.
- 4.4 The creation of the raw material feed as well as suitable vacuum conveyors and supply hoppers up to the interface agreed in the contract between the Customer and W&H.
- 4.5 The provision of a crane for the assembly and disassembly of screws and casting rollers with cast film extrusion lines (carrying capacity according to the specification).

5. In addition to positions 1 to 4 of the services to be provided by the Customer and the obligations to be observed where the monitoring of the assembly of the machine shall be carried out solely by W&H ("assembly management")

- 5.1 Unloading the machine / system using the fastening or attachment points specified for this purpose.
- 5.2 Carrying out in-plant-transportation.
- 5.3 Removal of the transport locks.
- 5.4 Provision of the suitably qualified assembly and auxiliary personnel as well as the required transport and lifting equipment in accordance with the installation schedule specified by W&H.
- 5.5 Assembly and cabling of the machine in accordance with the specifications of the installation supervisor designated by W&H.
- 5.6 Creation of the cable ducts, cable trays and fixing systems in accordance with the cable laying diagram specified by W&H.
- 5.7 Creation of the air and water piping within the machine.

6. Additional services to be provided and obligations to be observed within the context of remote diagnostic services and the provision of user software

- 6.1 Provision of the data transmission path specified on its own behalf and at its own expense for the respective machine, data glasses or the mobile terminal and ensuring that W&H can use this connection for services without any problems; if the data transmission path is disrupted or W&H data cannot transfer data or only insufficiently or with inadequate quality, W&H shall be released from the provision of the services.
- 6.2 Ensuring the maintenance and the functional operation of its devices and take appropriate precautions in accordance with the current state of technology in order to prevent the penetration of viruses; if necessary, the data transmission technology must be upgraded to keep pace with technological progress; W&H shall be notified in due time of changes to the technical environment, in so far as these changes can affect the agreed remote diagnostics up and shall be coordinated with W&H.
- 6.3 Provision of the power and data transmission operating conditions described in the W&H questionnaire for the remote service (Internet access via Ethernet, minimum bandwidth > 2 Mbit/s) as well as telephone/VoIP; in addition, qualified personnel with adequate skills in the German or English language as well as a specialist employee trained and familiar with the operation of the machine who serves as the contact person for W&H.
- 6.4 The required hardware for visual assistance to support W&H-configured data glasses or mobile devices. WLAN access with sufficient transmission speed (minimum bandwidth > 2 Mbit/s) or SIM card for the use of an LTE router.
- 6.5 Ensuring that the RUBY server is always online and the server hardware/virtual unit meets the following requirements:
CPU: 4 3.8 GHz multi-core processors
Disk space: estimated 100 GB per year and machine
RAM: 32 GB

7. Non-fulfillment by the customer

If the Customer fails to fulfill the obligations specified in paragraphs 1 - 6 or fails to fulfill these in due time, W&H shall, after setting a deadline, be entitled but not obliged to carry out the activities for which the Customer is responsible instead of the Customer and at the Customer's cost. In all other respects, the statutory rights and claims of W&H shall remain unaffected.

Z
Windmüller & Hölscher

Postfach 1660 · D-49516 Lengerich
Telefon: +49 (0) 54 81 14-0 · Telefax: +49 (0) 54 81 14-2969
E-Mail: info@wuh-lengerich.de · Internet: www.wuh-lengerich.de