

INSTALLATION PROTOCOL – ANIS channel baler with infeed conveyor



**The picture above is for informational purposes only*

To ensure the efficient schedule and smooth transition from installation to training and taking-over, the work must be carried out during consecutive days. We kindly ask you and your customer to take into consideration the following points. Please note, our basic schedule always includes installation, start-up and training made during one visit.

1. UNLOADING EQUIPMENT

- It is required to have a truck equipped with a crane (**approx. 40 – 100 tons**) and a forklift (**min. 5 tons**) for unloading the baling unit from the truck or the container. It is customer's responsibility to arrange suitable lift and transit equipment for unloading (not part of ANIS delivery). The unloading takes normally approximately 2 hours.

2. DETAILS TO BE TAKEN CARE OF BEFORE OR DURING INSTALLATION

- The installation on the prepared solid foundation must be such that the baler stands evenly.
- When deciding where to install the machine (e.g. planning by the customer) make sure there is enough space around the machine so that assembly and repair work can be carried out without obstruction. Upstream and downstream machines are to be arranged accordingly.

- Proper illumination (lights) of the installation space must be ensured
- Installers need to be provided toilets with running water and changing rooms
- It takes two (2) days for the baler and infeed conveyor to be placed in the proper working position (internal transport) and for the same period the mobile crane, forklift and transport trolleys must be available (needed occasionally and to be agreed on site). It is customer's responsibility to arrange suitable lift and transit equipment for installation (not part of ANIS delivery)
- Electric supply must lead to the electric cabin of the baling line.
- The customer provides cables and an authorised electrician to:
 - to provide adequate power requirements for satisfactory operation of the baler
 - make electrical connections between baler and the other equipment and possible control room
 - connect the main supply to the baler
 - carry out needed electric measurements if required
 - if European voltage (230V and 400V / 50Hz) is not available, suitable generator is needed on site for installation tools and welding machine (min. 16-amp fuse and for European standard electric plug).
- Fire safety equipment (fire extinguishers) must be available
- A suitable pump must be provided for pumping hydraulic oil into the baler tank.

3. DETAILS TO BE TAKEN CARE OF FOR TEST AND START-UP PERIOD

- If the installation has been made by some other company, ANIS Trend may require photos about installation's stage before travelling out team, to avoid delays on site.
- Baler / infeed conveyor has to be installed and ready for operation before start-up period can begin. ANIS machinery cannot be tested and adjusted without material. It is recommended that the customer sends photos of the installation process.
- The customer provides enough different types of waste material (app. 100 tons all together), hydraulic mineral oil (VGS 46 - according to the baler tank) and baling wire for training and testing the baling line.
- The customer defines the training needs and organizes that there are trainees available to be trained.
 - training language is English,
 - operation training for users/operators,
 - electric, hydraulic etc. training for maintenance people
- Due to adjustment and connections to be made between the baler - conveyor and shredder (downstream) or wrapper (upstream), it is recommended that during the test runs the shredder / wrapper start-up-people are also involved.
- The customer provides internet connection (Ethernet/ WLAN) for ANIS remote access modem.

MACHINERY TESTING PROCEDURE ON SITE

1. The inspection of the baling line regarding mechanical and electrical installation.
2. Checking the baling line regarding all operation functions (electric, hydraulic, mechanic).
3. Testing the signals / connections between the shredder / feed conveyor / wrapper and the baler and control room.
4. Immaterial tests.
5. Tests with the material.
6. Production capability and acceptance tests if requested.

SUMMARY OF PROVIDING THE NECESSARY EQUIPMENT UNDER THE RESPONSIBILITY OF THE CUSTOMER:

1. mobile crane (app. 40-100 tons) (lift capacity depends on the weight of the baler machine and the location of the installation and it is necessary to agree with the seller before choosing a mobile crane)
2. Forklift (load capacity min. 5t)
3. Transport trolleys for moving the machine and their components
4. Lights – reflectors
5. toilets with running water, changing room
6. Electrical generator (230V and 400V / 50Hz), if no power supply is available
7. Fire extinguisher
8. Pump for pumping hydraulic oil into the baler tank
9. Different types of baling material (about 100t total)
10. hydraulic mineral oil (VGS 46) for baler hydraulic tank
11. an adequate amount of baling wire
12. Internet access