

TRANSPORTATION, INSTALLATION AND CONNECTION

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Description of Order

Compare the entire description of order with the purchase order and the shipping note.

- ◆ Determine if shipment is complete using the attached packing slip. Otherwise we refer to our general conditions for the supply of machine.
- ◆ Report damage. The forwarding agents, the insurance company and the machine supplier are to be informed immediately after delivery of the machine with all accessories in case of damage caused by insufficient packing or during transport.

Storage and Conservation

Please heed the following in order to maintain the operability of a machine that is not employed for a longer period:

- ◆ The machine must not be exposed to extreme heat or cold
- ◆ Position the machine on a level ground in order to avoid torsion
- ◆ The storage ground must be dry and clean
- ◆ Clean entire machine. All plain-finish machine elements must be lightly coated with acid-free machine oil
- ◆ Cover entire machine so that no dirt or dust can get in

Supply

Normal transportation

- ◆ The machine is transported on a wooden skid.
- ◆ Each machine is fastened with screws on a wooden pallet and covered by a plastic film

Sea transportation

- ◆ With sea transportation the wooden pallets are additionally equipped with wood protection walls
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Air transportation

- ◆ With air transportation the wooden pallets are equipped with plywood protection boxes

Machine Weight

The Index K120i model is approximately 4500 lbs.
Additional options, as ordered, will adjust the total weight of your shipment.

Transportation with Hoist or Crane

The loading must be carried out according to the transport plan. It is absolutely necessary to keep to the indicated measures.

- ◆ Danger! Do not go under hanging weights
 - ◆ All persons must be beyond the swinging area of the crane before lifting the line.
 - ◆ Ropes or chains must not be damaged
 - ◆ Only fix the ropes or chains at the loops
 - ◆ Note allowable carrying capacity of the ropes and chains - see chart at right
 - ◆ Ropes and chains must not touch the line during lifting
 - ◆ Fasten ropes at the lifting screws provided
 - ◆ Steel wire ropes (strand according to DIN 3088)
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Carrying capacity for the double strand in kg:

Rope nominal in mm	45°	60°	0-60°
20	4000	2800	2800
24	5800	4000	4000
32	10300	7300	7300

Steel wire ropes (strand according to DIN 3088). Carrying capacity for the double strand in kg:

Rope nominal in mm	45°	60°	45°	60°
10	4500	3200	6700	4750
13	7100	5000	10000	7500
18	11200	8000	17000	11800

Transportation with fork lift truck

Do not go under hanging weights

Before lifting the line all persons must be beyond the working range of the fork lift truck. Drive between the longitudinal rails with the forklift truck

With transport rollers

- ◆ With crane or fork lift truck Lift transport box
 - ◆ Put transport rollers under the longitudinal rails of the wooden pallet
 - ◆ Lower the transport box (to the ground)
 - ◆ Cautiously push the transport box to the installation site, e.g. with the fork lift truck
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Installation of the INDEX K120i Capsule Filler

Normally, the machine is installed by personnel of INDEX.

Foundation

- ◆ The location of installation should be free of vibration and drought and the foundation for the machine should be sufficiently safe for floor load. As a rule no special foundation is required. Levelled floor will be adequate.
- ◆ We recommend noise-abating or vibration-absorbing materials such as pressed cork, rubber, metal or rubber pads. See project plan for the dimensions and the weight of the machine.
- ◆ Alignment of the machine is effected by leveling shoes, wedges or fitted supports (such as lead plates) according to the type of machine.
- ◆ Place insulating boards under the machine feet.
- ◆ Lift machine a little.
- ◆ Lower line and place feet on the insulating boards.
- ◆ Remove transport ropes.
- ◆ Unpack machine and determine whether it is complete and without damage due to transportation.
- ◆ Exactly align all units and all upline and downline installations regarding height, angle and position.
- ◆ Constantly adjust the spindle feet in order to avoid tension.
- ◆ Floor attachment is only necessary with conveyor belts.

Cleaning

- ◆ Do not employ any hazardous substances for cleaning the machine (See Chapter 1).
 - ◆ Cleaning the machine (See maintenance plan Chapter 7).
 - ◆ Clean entire machine from dirt and anticorrosives, if necessary.
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- ◆ Avoid complete degreasing. If necessary, all plain-finish and movable machine parts must be lightly coated with acid-free machine oil.
- ◆ With an available dust exhaust unit, the vacuum system must be equipped with a properly functioning air-flow system.

Connection of Machine

The machine is connected by personnel of INDEX according to the installation plan.

Information regarding the electric connection

- ◆ See the electrical wiring diagrams for the connection data (the electrical wiring diagrams are included in the machine shipment or supplied separately).
- ◆ Verify that the available main voltage is in accordance with the voltage specified on the type plate.
- ◆ The power supply cable must be connected to the terminals L1 -L2-L3 N and PE - including the ground wire of the connection box - according to the Code standards and the local legal specifications.
- ◆ The grounding or the ground voltage connection must be performed in accordance with the specifications of the local power supply company.
- ◆ Determine the direction of rotation (pole-correct connection). Example main drive motor: On a short switching-on impulse verify that direction of rotation is in the direction of the arrow.

Information on liability

Storage

As long as the unit supplied remains packed, we do not assume any warranty for corrosive damage that occurs by improper storage, such as moisture, except for seaworthy packaging.

Claims

Improper transportation does not justify replacement or warranty claim. All transportation is arranged by the Purchaser, and therefore any problems arising from improper transportation should

be addressed to the Purchaser's carrier. In case of doubt please contact your transportation supplier before transportation.

If a service engineer is present, he can be asked for advice concerning matters of transportation. However, he does not assume any responsibility for transportation and possibly arising damage.

Illustrations and Drawings

Illustrations and drawings of our machines serve for general explanations and the details are not always in accordance with the design. The indicated dimensions are also without obligation.

Rights

INDEX reserves all rights on drawings and other documents, even in the event of patent applications. We reserve all rights of disposal, copies and subsequent passing on.

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K120i Capsule Filler
Operations Manual

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