Machine manufactured in Sweden by:
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Box 93.
Lyckåsvägen 3
459 22 Ljungskile.
Sweden.

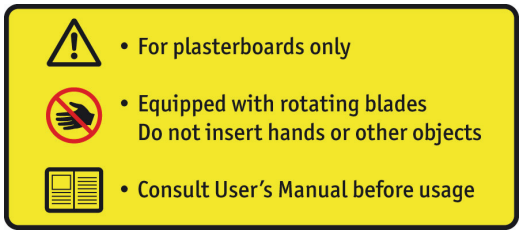
STARKE ARVID

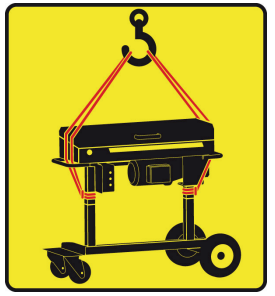
Chipper User's Manual

Technical Specification

Power supply: 110 v, 50 Hz, 18,2 Amp
Power socket: 32 Amp
Motor power: 1.5 Kw
Geared output /final drive speed: 25 metres/minute
Maximum sound power level: <80 dB (A)
Operating thickness: 9.5 mm – 19 mm
Operating width: <700 mm
Weight: 145 kg
Work height: 900 or 1110 mm
Overall size: L,1270 mm X W,770 mm X H,1035 or 1245 mm

Notes:





General safety rules.

- For plasterboards only. Other materials could damage yourself as well as the machine.
- The machine is equipped with rotating blades. Do not insert hands or other foreign objects.
- When feeding the plasterboard waste into the chipper hold onto the back of the board until the chipper takes over the feeding. If you are feeding longer board lengths, support the board on the back end until the machine is capable of supporting its weight. This is done to avoid the unsupported board breaking.
- Only authorised personnel should use the machine.
- To immediately stop the machine strike the red emergency stop button. Reset using the safe operation key.
- Keep work area clean to avoid risks of slips trips and falls.
- Ensure braked wheel is engaged to prevent unnecessary movement when machine is in operation.
- Ensure a dry and well lit workspace area to ensure safe operation for you and other personnel.
- Never leave the machine running unattended.
- When lifting the Chipper, ensure correct straps are used and are placed in the correct position.
- Metal to metal contact with the rotating blades could significantly reduce the Chipper's performance as well as cause permanent damage to the Chipper. Ensure no screws or foreign objects are embedded in the waste plasterboards

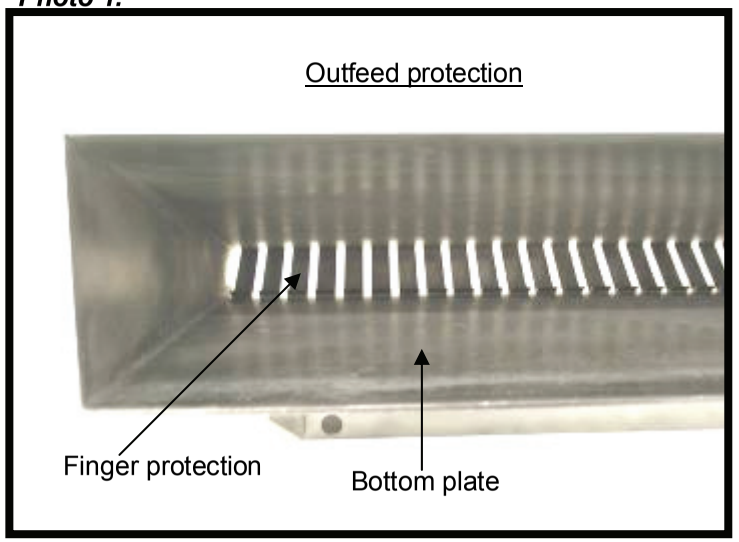
Care and Maintenance

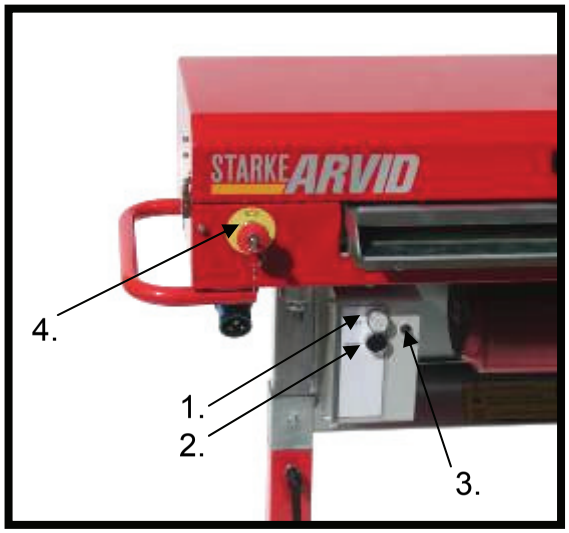
The Chipper is designed to be relatively maintainance free. However, regular inspection and, if necessary, replacement of worn parts will ensure the maximum performance of the machine.

Before carrying out any maintenance work on the Chipper, please ensure that you disconnect it from power supply!

- Check the machine and the rotating parts for evidence of damage (daily).
- Lightly grease the gears using lithium based grease type KP2K-20 (monthly).
- Grease the bearings using lithium based grease type KP2K-20 (monthly). Avoid over packing the bearings.
- The gearbox is a sealed for life unit. However, if the Chipper is placed on its side, fluid may leak from the breather system. The gearbox requires Shell Tivela S320, *max volume 0,45 l.*
- Clean the machine regularly using a soft brush or damp cloth. Remove any debris from the scrap outlet (weekly).
- After any maintenance procedures it is important to carry out the safety test referred to earlier on **page 3** in the section for safety test **point 1-3**.
- If necessary, contact Starke Arvid for advice/instructions for matters relating to servicing or repairs.

Photo 1.





Control panel

1. White start button.
2. Black stop button.
3. 15 Amp fuse (push button in to reset).
4. Emergency stop.

Note: *If the emergency stop is activated it requires a key to unlock it.*

Operating Instructions

1. Locate chipper on flat even ground as near as practical to 32 Amp site transformer to reduce the length of extension cable to minimise Voltage drop and gain the maximum power from the machine.

2. Choose a suitable collection method.
   a. If filling directly into large waste skips, place the Chipper at open end of skip.

   b. If filling 1 tonne (dumpy type) waste sacks, support sides of bags with adequate framing or use recommended Starke Arvid bag supports.

   c. When using Starke Arvid Waste Bin, operate the machine with the stand in the lower position. This will also improve the ergonomic operation of the machine.

3. Apply brake on locking wheel to prevent unnecessary movement.

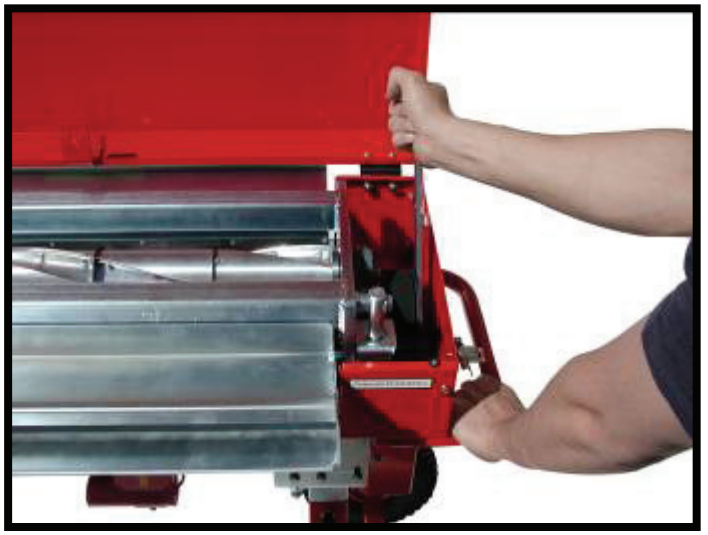
4. Turn on the machine by pressing the white start button. The rotating blades start and the machine is ready to use.

5. Use only clean waste plasterboard with the machine, avoid wet or damp boards and ensure that they are free from screws, metal or other contaminants.

6. When feeding the plasterboard waste into the Chipper, hold onto the back of the board until the chipper takes over the feeding. If you are feeding longer board lengths, support the board on the back end until the machine is capable of supporting its weight. This is done to avoid the unsupported board breaking

7. The machine is capable of chipping most plasterboards up to a width of 700 mm and a thickness between 9.5 and 19 mm.

8. To stop the machine, press the black stop button.



9. In the event of a material blockage.
   a. Press the black stop button and/or reset the 15 Amp fuse if it has tripped.

   b. Disconnect the machine from power supply and open the lid so that you can reach the main drive wheel on your right hand side.

   c. Use the key that are delivered with the machine (located under the in-feed protection). Locate the key in the end of the drive wheel and back the machine manually with the key until you have released the board (jam) from the rollers.

   d. Visually inspect the machine for loose debris within the machine and remove the remaining material from the machine.

Note: *If the board are stocked fast, it may be necessary to reduce the tensions on the two spring adjusters by releasing the nuts (do not remove fully). When finished, retighten the spring adjuster to the fixed original position.*

Guards.

- The machine is installed with an emergency stop switch that should be struck in the event of an emergency.
- The machine is equipped with a cut-out switch in the cover that will automatically stop the machine if the lid is opened during operation
- The guard for the out-feed is equipped with finger protection inside the out-feed that prevents you from touching the rotating knives.
- The in-feed has a protection that is designed to prevent the operative from placing their hands within the machine.
- The scrap outlet has a protection that is designed to prevent the operative from placing their hands within the machine.
- **Do not** attempt to modify, alter or tamper with any of the guards or electrical safety devices in any way.

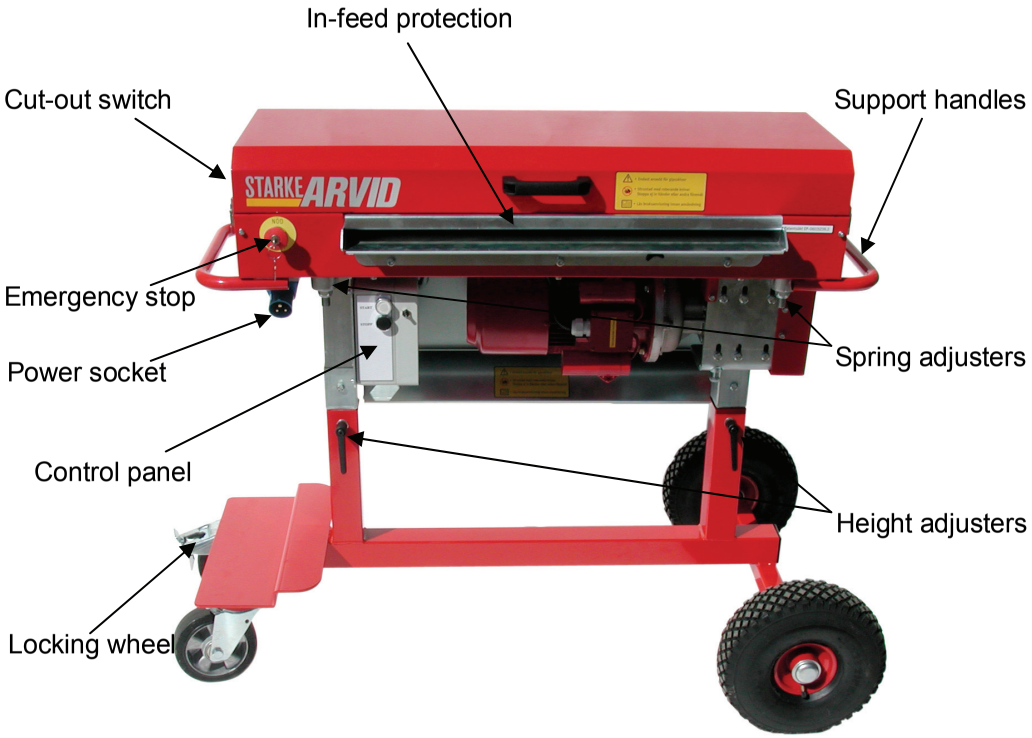
Safety Test

Check safe operation of safety cut-outs daily prior to commencement of work.
If any items below fail the safety tests the machine shall not be used!

1. With the machine running, lift the cover. This will cause the machine to stop.
2. With the machine running, strike the emergency stop button. This will cause the machine to stop.
3. Remove plug to isolate the machine. Measure the gap between the finger protection and the bottom plate on the out-feed. If the gap is greater than 3 mm replace the finger protection. *See photo 1*

Chipper fails to start

- Ensure all electrical cables are plugged in and the power supply is switched on.
- Release the emergency stop switch with the key.
- Ensure lid is correctly closed to disengage the safety cut-out protection.
- Check the 15 Amp reset fuse.
- Check if plasterboard is jammed in the machine.
- Press the white start button.



Description

This machine is designed specifically to reduce the bulk of waste plasterboard. It does this by reducing the waste plasterboard into manageable pieces, therefore increasing the volume that can be placed in waste containers. Two counter rotating cylinders with blades cut the board and feed the waste pieces from the machine ready for collection. The machine is designed to chip most plasterboards from 9.5 mm through to 19 mm with the exception of thermal laminates and foil backed plasterboards.

Important!

Please read these instructions carefully to ensure the safe and effective use of this machine.

STARKE ARVID

CEDOK 1.0

DECLARATION OF CONFORMITY

(Directive 98/37/EC, article 4.2 and Appendix II A)

Manufacturer (or the manufacturers representative):

Company	Alia AB
Address	Lyckåsvägen 3, 459 22 Ljungskile
Post address	Box 93, 459 22 Ljungskile

Declare under own responsibility:

Machine type:	Chipper
Drawing nr.:	37030
Machine nr.:	

to which this declaration relates is in conformity with the following directive or other documentation of regulation:

Machinery Directive 98/37/EC.
EMC-Directive 89/336/EEC also addition 92/31/EEC and 93/68/EEC.
LVD-Directiv 73/23/EEC also addition 93/68/EEC.

Is manufactured according to (or parts of) following harmonize standards:

EN 1050

Authorized person

Place/date:	Ljungskile 2006-11-07
Name:	
Clarification of signature:	Jan-Erik Bark
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