OPERATING INSTRUCTIONS AND SAFETY INFORMATION

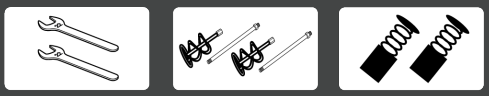
Haydn®

DUAL HEAD POWER MIXER 1800W | ø120mm

- ON/OFF button and lock button
- Paddle thread connection
- Two speed switching
- Motor housing
- Variable speed control
- Rubber Grip
- Safety Switch

IDEAL FOR:
- For dense and sticky materials, cement, plaster, tile adhesives, mortars etc

WARNING:
Always wear ANSI approved eye protection. Always follow all warnings and instructions in your machines operating manual.



INCLUDED ACCESSORIES

Read and follow the operating instructions and safety information before using for the first time.
SAVE THIS MANUAL.

CONTENTS

Note: Please read all the instructions in this manual before use.
We recommend that any repairs are carried out by a suitably qualified person.

GENERAL POWER TOOLS SAFETY WARNINGS

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.
The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) WORK AREA SAFETY

a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.
e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

3) PERSONAL SAFETY

a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair,

clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

4) POWER TOOL USE AND CARE

a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be

performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

5) SERVICE

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

MACHINE-SPECIFIC SAFETY WARNINGS

- Do not use the power tool for explosive materials (e.g., easily inflammable solvents). Power tools produce sparks which could ignite developing vapors.
- In case the power tool should fall into the material to be stirred, pull the plug immediately and have the power tool checked by an after-sales service agent. Material that has penetrated the power tool can cause damage and lead to an electric shock.
- Hold the machine firmly with both hands by the insulated gripping surfaces while working and keep proper footing and balance at all times. The machine is more securely guided with both hands. Loss of control can cause personal injury.
- Hold power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- Switch off the power tool immediately when the tool insert jams. Be prepared for high reaction torque that can cause kickback. The tool insert jams when:

the power tool is subject to overload or it becomes wedged in the workpiece.
- Do not mix food. Power tools and their accessories are not designed for processing food.
- Keep the cord away from the working area. The cord may be entangled by the stirrer paddle.
- The mixing container must be suitable for mixing and must stand securely. A container that is not properly secured may move uncontrolled.
- Ensure that no liquid splashes against the housing of the power tool. Liquid that has penetrated the power tool can cause damage and lead to electric shock.
- Follow the instructions and warnings in the Material Safety Data Sheets (MSDS) of the material to be mixed. Material to be mixed may be harmful.
- In the event of a power interruption, release the locking switch by pressing the on/off switch. This will prevent the power tool from restarting unintentionally (risk of injury).
- Do not use the power tool in a stand.

PRODUCT DESCRIPTION AND SPECIFICATIONS

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. While reading the operating instructions, unfold the graphics page for the machine and leave it open.

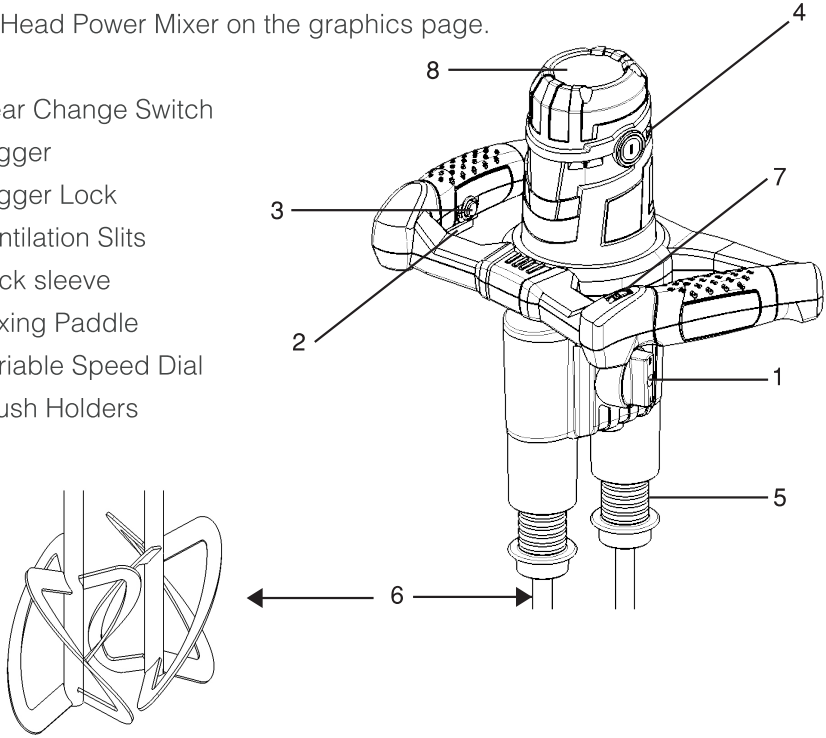
INTENDED USE

Haydn® Dual Head Power Mixer is intended for mixing pulverised building materials such as mortar, plaster, adhesives, as well as solvent free paint, varnish and similar substances.

PRODUCT FEATURES

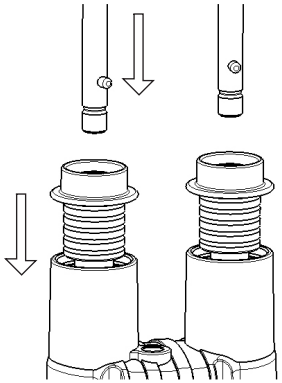
The numbering of the product features refers to the illustration of the Haydn® Dual Head Power Mixer on the graphics page.

1. Gear Change Switch
2. Trigger
3. Trigger Lock
4. Ventilation Slits
5. Lock sleeve
6. Mixing Paddle
7. Variable Speed Dial
8. Brush Holders



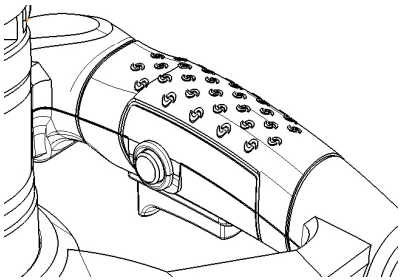
OPERATING INSTRUCTIONS

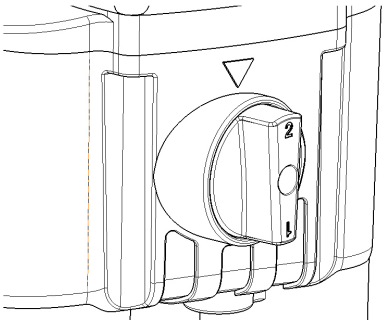
Before you operate or carry out any maintenance on this machine YOU MUST READ and STUDY this manual. Haydn® Dual Head Power Mixer is ready for use once all packaging has been removed.



- Push down the lock sleeve (5), align the orientation, and insert the stirring rod (6) into the output shaft. After loosening the lock sleeve, the stirring rod is automatically locked.
- Always operate the machine with both hands on the handle.

- Press and hold the trigger (2) to commence the mixing process. Once the trigger (2) is in the 'ON' position, push the trigger lock button (3). This will hold the trigger (2) in the 'ON' position without the use of your hand.
- To stop the machine, push and release the trigger (2).





- Haydn® Dual Head Power Mixer has 2 speeds available. The first gear is the slow speed, and the second is the fast speed. To change from one to the other, turn the gear change switch (1) through 1800. There is also a Variable Speed Dial (7) available, which allows you to vary the speed of the machine when using either of the 2 gears.

- During the mixing process, slowly move the machine around the mixing container. This should be continued until all the mixing material has been mixed. Once the mixing process has been completed, clean the mixing paddles (6) to stop the buildup of dirt and residue.
- Always reduce the speed when placing the mixing paddles (6) into the mixing material, and also when removing it. Once the mixing paddles (6) are completely clear of the mixing material, increase the speed again to ensure that the motor is adequately cooled.

Starting current limiting

The electronically controlled soft start ensures that Haydn® Dual Head Power Mixer starts smoothly. This also prevents spray from thin liquids when the tool is switched on. The lower starting current means the 16A fuse is large enough for the machine.

Idling speed reduction

During idling, the electronic control reduces the machine's speed. This reduces noise, as well as wear on the motor and gears.

Constant electronics

The constant electronic controller keeps the speed virtually constant during idling and under a load. This guarantees that materials are mixed uniformly.

Electronic overload protection

When the tool is under extreme load, an electronic overload device protects the motor from damage. In this case, the motor stops and does not restart until the speed is reduced or the load is removed.

Temperature-dependent overload protection

When the motor reaches a critical temperature, the safety electronics shut it down to prevent it from overheating under extreme continuous load. After about 3-5 minutes of cooling down, the machine is ready for full load operation. The temperature dependent overload protection will respond sooner if the tool is warm from operation.

MAINTENANCE

Haydn® Dual Head Power Mixer is designed to give many years of trouble-free operation. It is, however, important that the simple regular maintenance listed in this section is carried out. It is recommended that a qualified electrician carries out all major maintenance and repairs. Always use genuine replacement parts, the use of spurious parts may void your warranty. Before any maintenance is carried out on the machine, ensure it is unplugged.

Routine Maintenance		Approx.75 Hours	Approx.150 Hours
	Check	✓	
	Change When Necessary		
	Check/Replace		✓

The machine is fitted with self-deactivating carbon motor brushes. This means that it will automatically switch off once the brushes have been worn down to a certain level. See the instructions below on how to replace them.

Replacing the Carbon Motor Brushes

1. Using a flat-blade screwdriver, unscrew the two brush holders (8) which are located on either side of the motor casing.
2. Remove the worn out brushes and replace with new brushes.
3. Re-tighten both brush holders (8), ensuring that the brushes are securely fitted. Also keep the ventilation slits (4) clear of dirt and residue so that the machine can be cooled adequately.

Note: The numbers shown in brackets refer to the pictures shown in the Product Feaures section of the booklet.

PRE-START CHECKS

Pre-start-up inspection

The following Pre-start-up inspection must be performed before the start of each work session or after every four hours of use, whichever is first. Please refer to the service section for detailed guidance. If any fault is discovered, the Haydn® Dual Head Power Mixer must not be used until the fault is rectified.

1. Thoroughly inspect the mixer for signs of damage. Check if components are present and secure. Pay special attention to the Mixing Paddles, and ensure they are correctly attached to the handle.

2. Check electricity cables for signs of exposed wires. Fix any exposed areas before operating.

TECHNICAL DATA

Model	PADM18002
TotalMachine Weight (Kg)	5.2
MachineWeight– ExcludingPaddle	7.0
MachineHeight (mm)	915
Power (W)	1800
No Load Speed	n_1=250~500rpm n_2=400~800rpm
Tool Size	Φ12*580
Maxing Paddle Diameter (mm)	120
Suitable Materials	Plaster ,Cement/Mortar Tile Adhesive, Render

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