

# Kushed Procedures

## Portable Electric Planers

P5

Palm Power Planer – Ozito

Power Planers - Ryobi x 2

- Makita

- Skill

- Ozito

Power Chisel - Arbortech





The Shed provides items such as welding masks and gloves.

Members are required to provide their own footwear, eyewear, hearing protection and masks.

## Safety

This is a very high priority for our Shed members. There are some aspects that are mandatory under our insurance policies and some which the The Shed requires members to adhere to for everyone's benefit.

### The Shed Safety Induction

It is a requirement of attendance at The Shed that members have reviewed the Safety Induction Presentation

### Personal Protective Equipment

This is required in various forms depending upon the equipment being used or the activity being undertaken.

Protective eyewear is always mandatory when using machinery.

The Shed schedules a Coordinator and a First Aid Safety Officer for each day of attendance and their safety directions are final and must be adhered to.



Typical power planer

## Portable Electric Planers

Power planers are timesavers that have found their niche with such varied tasks as edge-smoothing and leveling framing timber and chamfering handrails and posts. With the proper skill and accessories, you can also use power planers for finesse work like beveling door edges, scribing cabinets and countertops, and shaping and tapering wood trim.

### Using a power planer

Like a hand plane, the power hand planer (or electric planer) rides on a shoe, or sole plate. Like a jointer, the planer has blades mounted on a cutter head or drum that spins at 20,000 rpm, removing wood equal to the difference in elevation between the front and rear shoes.

The front hand grip doubles as a depth-adjustment gauge. The gauge, with its built-in scale settings, turns back and forth to move the front planer shoe up or down, setting the depth of the cut. Depending on the depth you set, the planer removes lots of wood or, like a belt sander, a little.



## Adjusting a door size

### Using a power planer

Get the most out of the tool by mastering the right way to hold and push the planer. Properly balancing your body ensures safety and the best planning results.

- Balance means standing with your feet apart in a position that you'll find comfortable throughout the full tool pass on the workpiece. Each pass of the planer involves a rhythm of balance and hand pressure:
- Begin by resting the front shoe of the planer flat on the wood without letting the blade touch the work.
- Start the tool, let the motor reach full speed, then ease the plane into contact with the work and push it steadily forward.
- Keep your initial pressure on the front grip as the planer enters the workpiece.
- Balance hand pressure between the tool handle and front knob as both planer soles contact the work.
- As you push the tool off the work, apply greater control to “catch” the rear handle. Avoid overreaching at the end of a pass; the front shoe will drop off the wood and let the blades take an uneven bite off the end of the wood (called “snipe”).



## Safety First

Second to circular saws, hand-feed jointers or surface planers are the most dangerous woodworking machines.

Most injuries are caused by the hands and fingers of the operator coming into contact with the blades of the machine.

## What should you do before you start cutting with a planer?

Wear safety glasses or goggles, or a face shield (with safety glasses or goggles) and use the appropriate hearing protection.

Disconnect the planer from the power supply before making any adjustments to the cutter head or blades.

Ensure the switch is in the off position before plugging in.

Use blades of the same weight and set at the same height.

Ensure that the blade-locking screws are tight.

Remove adjusting keys and wrenches before turning on power.

Support the material (stock) in a comfortable position that will allow the job to be done safely and accurately.

Check the stock thoroughly for staples, nails, screws, or other foreign objects before using a planer.

Do not cut stock less than 20 cm (8 in) long or 1 cm (0.5 in) thick



Dust extraction is important

## What should you do while cutting with a planer?

- Start a cut with the infeed table (front shoe) resting firmly on the stock and with the cutter head slightly behind the edge of the stock.
- Use two hands to operate a planer - one hand on the trigger switch and the other on a front handle.
- Do not put your finger or any object in a deflector to clean out chips while a planer is running.
- Disconnect the power supply when stopping to dump out chips.
- Do not set a planer down until blades have stopped turning.
- Stand on the side of the planer near the controls. Never stand behind stock when being fed into the planer.
- Keep all cords clear of cutting area.
- Do not overreach. Keep proper footing and balance.





## Blades

- Change blades when they become dull or nicked. As blades dull, they smoke up the room, the planer becomes difficult to push, and wood debris comes out as sawdust instead of shavings. Nicked blades leave a groove in the smoothed wood. Unplug the power planer and read your tool's instructions carefully. Avoid tool vibration by installing the blades squarely in the set plate and bolting the drum plate tightly on the cutter head.
- Unplug the power planer before you change blades or make any repairs and adjustments to the tool.
- Change blades before they get so dull that they create smoke or fine powder as you plow through the work.
- Forcing the planer like this harms the motor.
- Resharpen or replace both blades at the same time. This maintains cutter head balance and ensures quality cuts.
- Blades that aren't mounted squarely on the cutter head cause the tool to vibrate. Double-check mounting bolts for tightness before running the planer.
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## Arbortec Power Chisel

### Safety

The Power Chisel is extremely easy and safe to use. The chisel only engages and starts to move when pressed onto the timber and the hammering movement of the chisel is 1mm.

### Control

The high frequency but only 1mm back and forward movement of the chisel results in a very smooth, controllable and continuous carving flow. Depth as well as direction of carving can be very easily controlled with high precision and perfect visibility.

### Performance

The dedicated Arbortech motor is powerful – 8 Amp (960 Watt) and 1100 strokes per minute equals smooth, quick and effective chiseling. Quick change technology means your can change your chisel at the click of a button.

### Versatility

There are a number of chisel profiles that are interchangeable with the Power Chisel.

<https://www.youtube.com/watch?v=DiLbcglykPo>