

PNEUMATIC SINEW PULLER USER GUIDE

This successful design enables the sinews of all types of bird to be removed with ease. Driven by compressed air, the powerful action draws the sinews out of both drumsticks in a steady even stroke. The feet are ejected from the machine on the return stroke.

Easy to use with little skill or effort required.

- No maintenance.
- Suitable for all sizes and types of bird.
- Stainless steel construction.
- The legs are broken and sinews pulled, in both legs, in one simple operation.
- Auto foot ejector.

This machine speeds up and simplifies the often time consuming and strenuous task of pulling sinews.

A throughput of 250 birds per hour can be achieved with virtually a 100% success rate.

Stainless steel construction on a stainless steel frame.

Rubber height adjustable feet.

Powered by compressed air (typically 100psi) with operator foot control, emergency stop and filter, regulator and pressure gauge.

TECHNICAL SPECIFICATION

- ✓ 4.5 Liters of air at 8 bar pressure per operation
- ✓ H 1000 x L 1200 x W 400mm
- ✓ Weight 114kg



Single acting ram mechanism with double foot ejector system controlled manually by a foot switch. One operator only. Stainless steel construction with galvanised frame.

OPERATION OVERVIEW

Place the bird on the tray, breast down, and with both legs in the 'V' slots. Hold both legs down and at the same time depress the foot switch.

The head of the puller will now move away from the static U plate in an arc. Keep the foot switch depressed until the end of the stroke. The legs of the bird should now be broken and the sinews pulled.

Upon release of the foot switch, the head will return to the start position and during the return stroke, the foot ejection pistons will operate.

The bird can be removed from the puller any time after the end of the outward stroke.

ADJUSTMENTS

The puller can operate at a pressure of 50-150 psi. It is recommended the pressure be adjusted to between 75-100 psi. For large birds it may be necessary to increase the pressure above 100 psi.

To adjust the pressure, pull up the regulator knob in the front of the machine. Turn clockwise for greater pressure. Use the pressure gauge to set to the desired pressure. Press the knob back down after setting.

The speed of the puller can be adjusted both outward and return

speeds. By removing the stainless steel cover to expose the rams, the regulators can be found on the input and output feeds to the ram cylinder. The regulators are small grey knobs. By turning clockwise, the ram stroke will be speeded up and anti-clockwise to slow down. After any re-adjustment, lock these knobs off with the locking ring under each knob.

These flow and return knobs have been factory set and should not need adjusting. If the outward stroke is made too fast this will result in sinews being broken and not pulled.

SAFETY OVERVIEW

The sinew puller should be located on a level floor (the feet are adjustable) with the back of the puller facing a wall. This will keep the ejected feet in one place.

Only one operator should use the machine at any one time.

On both the outer and return strokes the puller head is powered so care must be taken to keep hands away from any pinch points.

An emergency stop is located at the front of the machine. The location and operation of this stop must be explained to the operators and any person working in the vicinity of this machine.

If the stop is pushed in, the operation of the machine immediately stops. Upon re-set, the machine re-sets to the start position.

!! DO NOT RE-SET UNTIL ALL HAZARDS HAVE BEEN CLEARED !!