

Debearder Type FS



OPERATIONAL PRINCIPLE

The product enters the debearder through an inlet at the top of the head end of the machine. It falls into the tubular barrel in which multiple shaft mounted hardened steel flat beater arms rotate among similar stationary arms. The beaters are factory-installed at a selected angle which serves to rub the commodity as well as to convey it through the machine. The pitch of each bar is adjustable where more or less threshing action is required. The greater the angle of the blade the faster the product will be conveyed through the barrel and consequently the product will receive less threshing action. At the tail of the machine an adjustable weighted gate provides additional control of the work done to the product.

The capacity of the machine is dependent on the motor size and the product being processed and typical figures are shown overleaf. We have extensive experience of their use and can advise on the best machine specification for your application.

APPLICATION

The FS debearder was primarily designed to debarbed barley but has since become one of most versatile machines on the market today, having many other applications such as clipping oats, threshing whiteheads in wheat and subterranean clover, de-whiskering carrot seed, breaking of doubles, polishing tomato seeds, degluming sorghum, and breaking flax balls.

CONSTRUCTION

Manufactured in mild steel the FS debearder consists of a barrel with a large lift off access door for cleaning and inspection. The shaft assembly is fitted with adjustable long life beater blades, which are readily replaceable. The shaft is mounted on precision bearings and is driven through V-belts and pulleys by the electric motor.

The outlet of the machine is fitted with a hinged inspection door for adjusting the tail-gate and inspecting the setting of the machine.

The Debearder is available with either fixed or variable speed drive depending the nature and variety of products to be treated

TECHNICAL DETAILS

Motor size	11kW or 15kW
Capacity	Clipping Oats 10T/hr Deawning Barley 15-20T/hr Deawning/polishing Rye Grass 6T/hr Polishing Bird Seed 10T/hr

