



FSI Power-Tech from Denmark are experts in the development, construction and production of stump grinders. In this specialised market they have gained a wealth of experience and their range has become one of the broadest in this segment.

The FSI ST 27 HS stump cutter is a hydraulically driven machine with a horizontal sweeping mechanism. It is specifically designed mostly for front loaders and mini excavators, but has been modified by Loglogic to fit on their Softrak and Tooltrak range of equipment.



The horizontal sweeping function is performed by two double acting hydraulic rams, which act at the same speed on each side of the cutter head; this allows a horizontal sweeping arc of 1000 mm without having to move the base machine. A hydraulic top link ensures good approach angles when travelling on rough terrain and allows the grinder to work well below ground level if required. All functions are controlled from the operator seat. A belt drive transmission between the hydraulic piston motor and the cutter ensures good shock protection to the motor whilst keeping the machine very compact. The ST 27 HS is fitted with 18 off 20.5 mm diameter tungsten carbide tips, which can be rotated in 3 steps to give three different cutting faces.

Reasons to use stump grinders:

- Stumps can attract rubbish.
- Avoids unhealthy fungi and weeds
- Reduces the risk of damaging underground cables when excavating deep stumps.
- Stumps are unattractive.
- A stump could be dangerous for road users causing damage to machinery such as: Mowers, snow ploughs, vehicles etc.

Advantage of stump grinding versus digging:

- Cutting is much faster than extensive digging.
- No heavy stumps to dispose of, the chips can be spread on site.
- The earth around the stump remains untouched and the humus undisturbed.
- When re-planting, there is no mixing of soil strata and minimal drying up below new planting.

Typical stump grinding times

[15 cm above ground to 15 cm below ground]

- 40 cm..... 12 min.
- 65 cm..... 25 min.
- 105 cm.....75 min

Above figures based on experiences from end users may vary according to tree sort, soil type, operator etc.



Specifications FSI ST 27 H

Power required.....	15-25 kW
Oil flow	45-65 L/min
Oil pressure.....	250 bar (max)
Cutting disc	ø 470 x 15 mm
Cutting teeth x size.....	18 x ø 20,5 mm
Horizontal sweep.....	800-1000 mm
Machine size:	
Height.....	900 mm
Length.....	1100 mm
Width	800 mm
Weight.....	200kg

SOFTTRAK STUMP GRINDING