



FALCON

Hydraulic Yarder RS

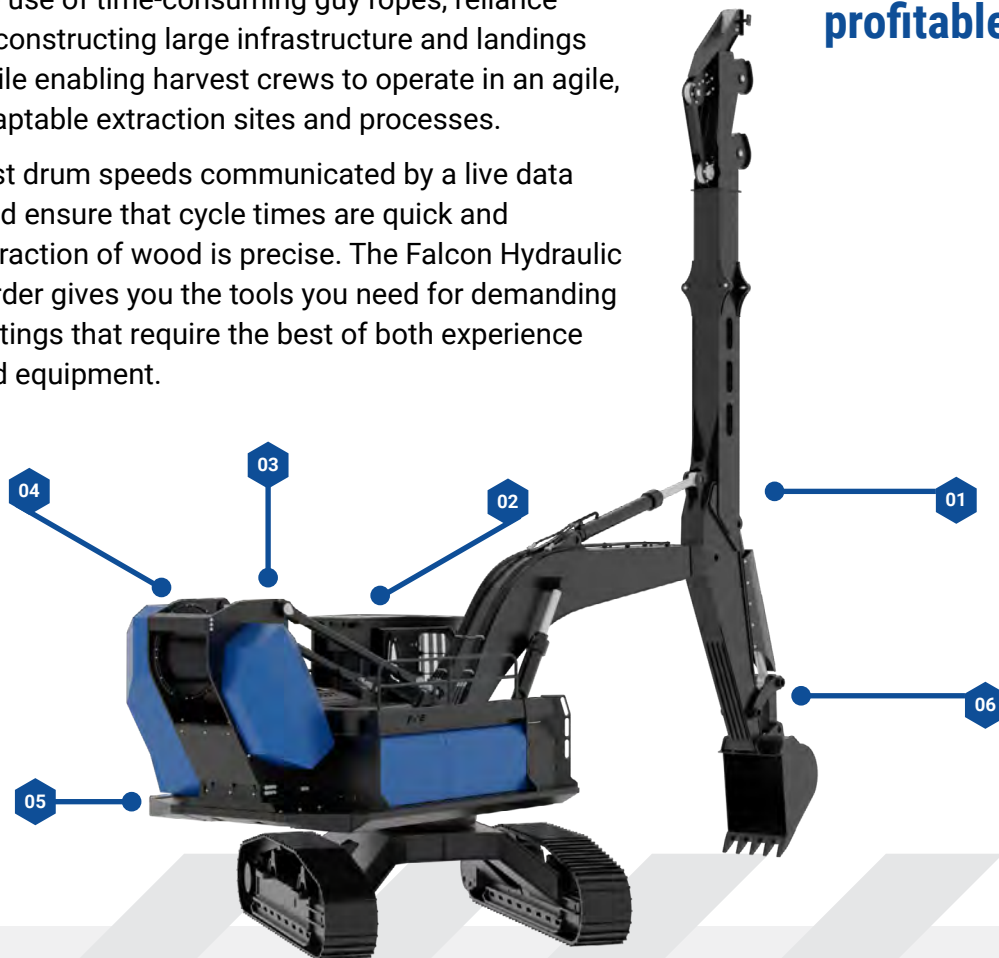


Reduce downtime, Improve cycle times

Developed to be used with motorised grapple carriages, the Falcon Hydraulic Yarder eliminates the use of time-consuming guy ropes, reliance of constructing large infrastructure and landings while enabling harvest crews to operate in an agile, adaptable extraction sites and processes.

Fast drum speeds communicated by a live data feed ensure that cycle times are quick and extraction of wood is precise. The Falcon Hydraulic Yarder gives you the tools you need for demanding settings that require the best of both experience and equipment.

The Falcon Hydraulic Yarder turns tight, difficult terrain into manageable, profitable harvest blocks.



01 Quick Set-up

With no time-consuming guy ropes to setup, the Falcon Hydraulic Yarder is movable in minutes.

04 Long Rope Lines

Not all hill faces are short and simple, which is why we've made long ropes to accommodate for those longer runs.

02 Practical HMI

A practical Human Machine Interface provides distance from yarder and all the necessary information needed by the operator in a visual intuitive display.

05 Safe & Secure

The machine also includes a tension monitoring system that alarms for over tension events ensuring longevity in rope wear and maintenance.

03 Uncompromised Maneuverability

Designed with weight-balance considerations and compact settings in mind making difficult terrain, accessible.

06 Wider Operation Efficiencies

Folding boom for transportation and agile set-up saving infrastructure costs are just some of the additional efficiencies from the Falcon.

The Falcon Hydraulic Yarder at a glance



Integrated operator controls

The Falcon Hydraulic Yarder control system is a simple, intuitive joystick based configuration integrated with a high quality camera and in-cab monitor system. The integrated joystick gives more control and autonomy to the operator for quicker turn around times.



Large payloads to suit NZ

A 10T safe-working load capability with 900m of skyline rope to accommodate for a variety of settings in New Zealand's forestry topography.



Going the extra mile

Extra length of cable where it matters most, decreasing line shifts and increasing options when harvest planning.



In-cab experience like no other

Simple yet intuitive in cab operator functions reducing fatigue, operator training providing agility of roles within your crew.



Move in hours - not days

With a collapsible spar, no guy ropes and over 800m of strawline, adjusting lines within block or packing down is quick, ensuring more time for productive pulling.



Performance over infrastructure

The Falcon Hydraulic Yarder has high performance in low infrastructure blocks, saving time, environmental impacts and costs relating to infrastructure. This help provide more value to your contracts and forest managers.



Transport and logistic friendly

Reducing regulatory costs while still remaining safe and within best-practice the Falcon Hydraulic yard balances the need for lift with convenience of quicker transportation with a 11m collapsible spar.



Eyes where you need them

Haul at ease with multiple high-quality camera views providing wide-range vision via 2 drum cameras.



Seamless integration

In conjunction with being compatible with a wide-range of motorised grapple carriages, the Falcon Hydraulic Yarder has been designed for seamless integration of the Falcon Claw mitigating troubleshooting between different manufacturers.



Continuous product support

We understand the true cost of downtime and the necessity of maintaining productivity. Because of this we support our customers from day 1 through proactive communications and assistance ensuring your logging operations are successful.



Technical Specifications

Base Machine

Minimum weight	35T
Tower height*	11 metres
Effective yarding distance	420 metres
Minimum pressure & flow requirement	4800 PSI (550 L/pm)
Minimum power requirement	200kw / 268hp

**Dependant on base machine*

Winch System

Winch unit	2-drum hydraulically inter-locked winch system
Braking system	Multi-plate wet brake
Gearbox system	Planetary gearboxes

In-Cab

Operation Interface	12" touch screen PLC
Camera system	Dual drum cameras
Electrical componentry	Tension pin , multiple pressure and temperature inputs, events and alarms, IO page
Protection safety	FOPS, ROPS, OPS
Operator controls	Integrated left and right hand Suregrip joystick controls
Winch modes	Maintenance mode - for ease of rope replacement and splicing Set-up mode - for preparation of operation Work mode

Transportation

Transport length*	12.3 metres
Transport height*	3.74 metres
Transport length*	3.4 metres

**Dependant on base machine*

Haulback

Skyline diameter size	3/4" (19mm) swaged wire rope
Skyline length	900m
Skyline maximum tension top layer	8T
Skyline maximum tension bottom layer	5T
Payload	3T

Mainline

Mainline diameter size	3/4" (19mm) swaged wire rope
Mainline length	450m
Mainline line speed	Up to 8 m/sec
Mainline pulling power top layer	4T @ 4 m/sec
Mainline pulling power bottom layer	6T @ 3.6m/sec

Stawline

Strawline diameter size	9mm
Strawline length	1000m
Strawline line speed	3m/sec

Miscellaneous

Standard extras	Bucket cylinder protection Tail hold rope block and connections Catwalks
Optional extras	Forestry purpose-built cab Handrails Fire suppression High and wide base

