



BIOJACK[®] *Combi* 400



Max flexibility



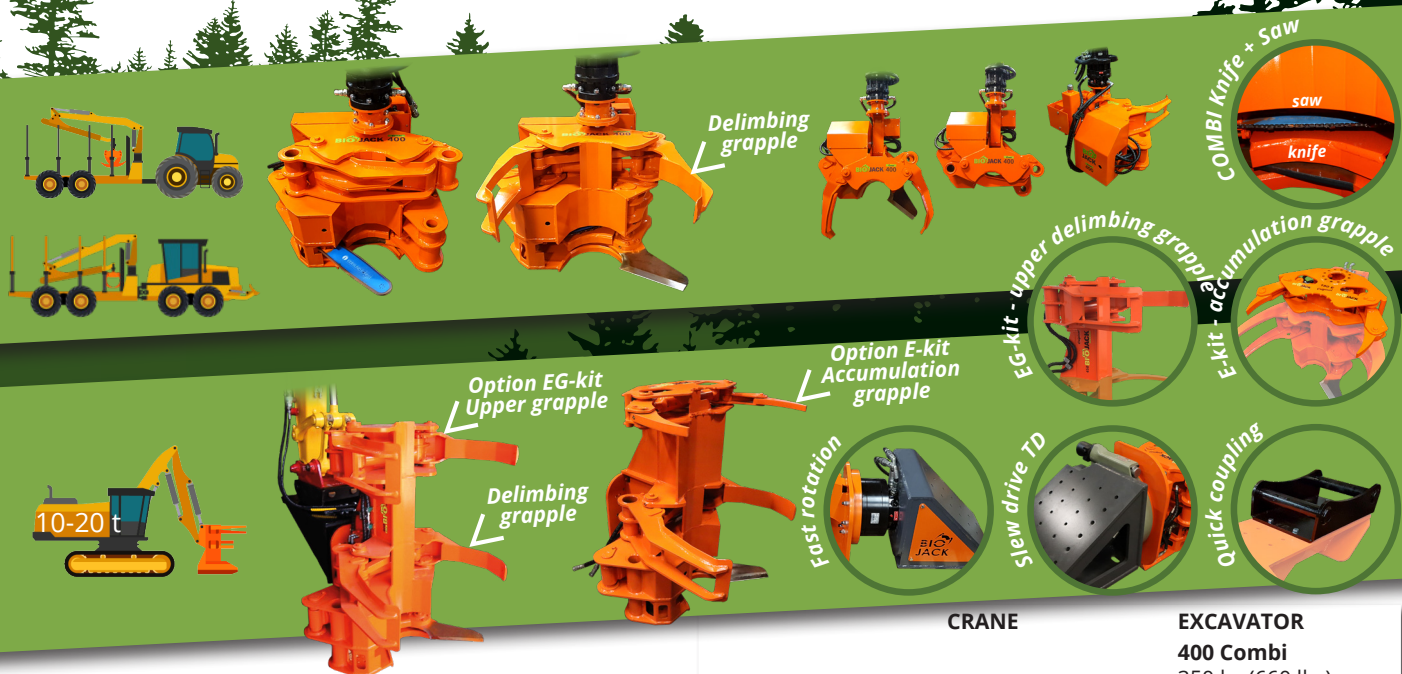
COMBI FELLING GRAPPLE 4 in 1

Delimb, cut, collect, load

- ✓ Forwarders, trucks, excavators 10-20 t
- ✓ Robust structure
- ✓ Quick cut, knife Ø25-30 cm & saw Ø40 cm
- ✓ Low stump

 **MADE IN FINLAND**

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The **Biojack 400 Combi** is a robust and agile grapple designed for polyvalence and mixed forest harvesting.

Two cut modes: **knife** and **saw**, to handle different wood diameters and qualities in the most efficient way. It's therefore a felling grapple adapted to riverbank cleaning or harvesting in the mountain. No more saw chain jumps in coppices, no more knife stuck in oversized woods. Thanks to its diverse functions, it can be used both for **cutting** and **loading**, without any modification. The grapple can be used for **delimiting** trees, as standard.

Biojack grapples are durable and sturdy, manufactured by Nummek in Finland, from top quality materials. All our products are user-friendly, easy and fast to use instinctively, and can be customized according to your needs, so you can simply focus on your work.



	CRANE	EXCAVATOR
Weight	475 kg (1050 lbs)	400 Combi 350 kg (660 lbs) 400EG Combi 550 kg (1210 lbs)
Cut diameter max. (hardwood-softwood)	Saw 400 mm (16"), Blade 250-300 mm (10-12")	Saw 400 mm (16"), Blade 250-300 mm (10-12")
Cut mode	Saw chain .404 Blade Hardox 500	Saw chain .404 Blade High Tensile Steel
Saw unit	5 or 10 cc Lub oil tank	5 or 10 cc Lub oil tank
Oil flow, saw motor 5 cc (Scandinavia)	60-70 L/min (16-18 gpm),	60-70 L/min (16-18 gpm),
Oil flow, saw motor 10 cc	80-100 L/min (21-26 gpm)	80-100 L/min (21-26 gpm)
Operating pressure	200-250 bar	200-250 bar
Back pressure max	20-30 bar	20-30 bar
Grapple opening	775 mm (30")	775 mm (30")
Grapple type	Delimiting grapple standard	Delimiting grapple standard
Shut off valves	Blade & Tilt	Blade
Height in felling position	850 mm (33")	800 mm (32")
Connection to rotator	Flange ø173 mm	Adapters for fix mounting
Hydraulic connections	Pressure 1/2" Return 1/2" Free return 3/8"	Pressure 1/2" Return 1/2" Free return 3/8"
Electric connection	1 cable, or wireless control (12 or 24 V)	1 cable, or wireless control (12 or 24 V)
Base machines	Tractors, trucks, forwarders	Excavators 10-20 t, telehandlers
Options	Rotator adapter E-kit, accumulation grapple Wireless control for the E-kit and saw	Rotator EG-kit, upper delimiting grapple E-kit, accumulation grapple Wireless control for the E-kit and saw Quick coupling

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