



MADE IN FINLAND

BIOJACK®

MADE BY NUMMEK

NEW PRODUCTS 2016



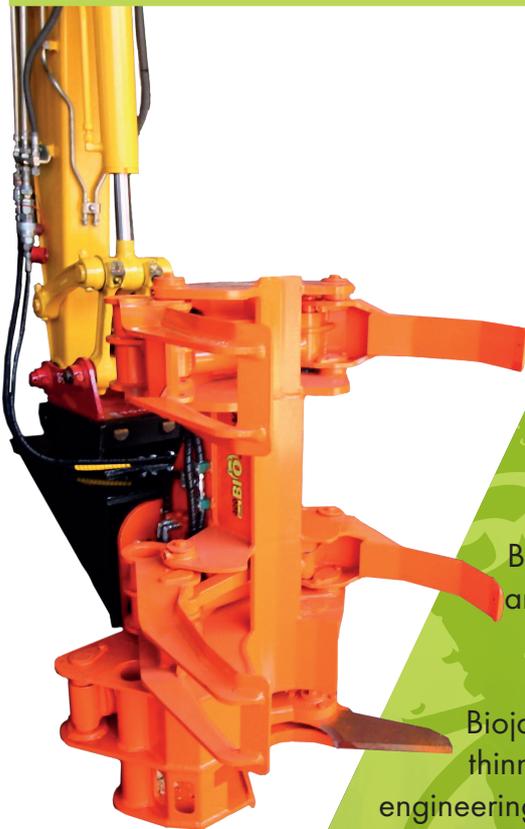
This year, Biojack has launched completely new products as well as updating some of its older models to make them even better and more versatile.

All our grapples can be customised according to your needs. Our products are as user-friendly, easy and fast as possible, so that you can simply focus on your work.

Biojack products are durable and sturdy, because they are manufactured in Finland, from sturdy top-quality materials.

Biojack grapples are particularly suitable for first thinning, gathering energy wood and for civil engineering, for example cutting trees in close proximity to power lines, or in parks.

Tree cutting is quick and easy with a knife, chain saw or even both.



NEWSLETTER

400S

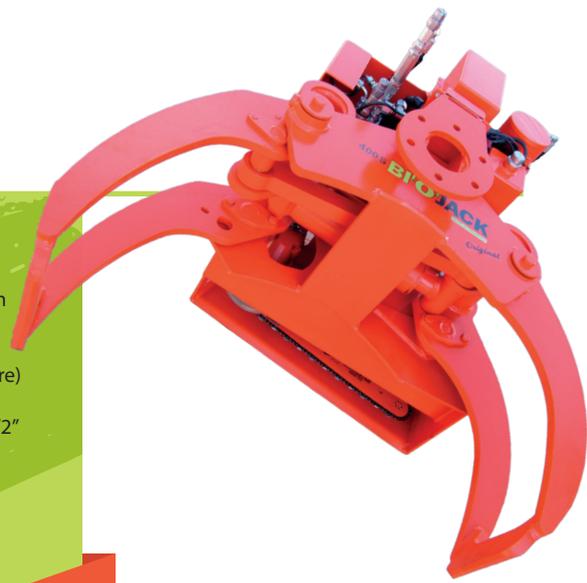
The updated energy wood grapple 400S has UNLIMITED ROTATABILITY!

The grapple is controlled wirelessly, there is no need for additional hydraulic hoses or electric cables.

The Biojack 400S saw grapple can be used flexibly, for cutting and loading, with no readjusting changes necessary.

The tree is cut with a chain saw. During the loading process, the saw will remain in its casing, and it can be used again by pressing on an electric button.

- Weight 315 kg
- Grapple opening 850 mm
- Max cutting diameter Ø 400 mm
- Oil flow 80 - 100 l/min
- Pressure 200 - 250 bar (total pressure – counter pressure)
- Counter pressure max 30 bar
- Pressure and return hose min 1/2"
- Saw flange 16"
- Wireless control 12 V or 24 V
- Chain lubrication with chain oil



UPDATED

450 BA90

A heavy-duty energy wood grapple now available for excavator use.

With the Biojack 450 BA90 grapple, tree cutting takes place with a moving knife blade, which enables to load the trees without any special readjustment measures. Also available with top grapples, like the Biojack 400 Combi models.

- Weight without the fastener approx. 550 kg
- with the fastener: 840 kg
- Max cutting diameter Ø 450 mm (for Scandinavian trees)
- Oil flow 100-150 l/min
- Pressure 250-300 bar (total pressure – counter pressure)
- Counter pressure max. 30 bar

NOVELTY!
2016

400EG & 400E COMBI BA90

- Weight approx. 550 kg
- Knife cutting diameter max. 300 mm (for Scandinavian trees)
- Saw cutting diameter max. 400 mm
- Power 12 V or 24 V
- Oil flow 80-100 l/min
- Oil pressure 200-250 bar (total pressure – counter pressure)
- Pressure and return hose min. 1/2"
- Free return min. 3/8"
- Knife cutting positioned lower -> stump approx. 40 mm
- Chainsaw cutting positioned higher -> stump approx. 140 mm
- Saw flange 16"
- Chain lubrication with chain oil

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A multifunctional grapple for easy and flexible work.

Trees can be cut either by knife or by chain saw. The Biojack 400EG and 400E Combi BA90 grapples can be used flexibly for cutting and loading, no readjustment measures are necessary.

The grapple can also be used for pruning standing trees. With the 400E model, it is also possible to collect several trees in the grapple.

An excavator is a suitable base machine for this grapple. The grapple can be fitted with additional pruning grapples (the 400EG) or with collecting grapples (the 400E).

