Innovative Best Grip Design

Synchro & Asynchro Arm Movement

Compact and Fully Closed Chasis

Strong and Rigid Rotation Joint

Innovative Concept Based on Bionics

FIRST SMART & UPGRADABLE GRAPPLE

www.modularis-drive.com
Multifunctional MODULAR and smart.

Quick and easily interchangeable arms and connection plates.

Over 15 different variations of working functions on the grapple itself, additional tools are available for application also in agricultural or industry segment.
Easy and fast -
**ARMS & GRIP**
units replacement

A-Synchro arm (grip unit) movement

The only Grapple on the market which has
xA - Synchro Grip synchro & asynchro arm
movement - the arms shape & arm movements
adapt to the load shape and the functions which
the user needs.

Asynchronous movement of the grip arms allows:
• Handling the asymmetric shaped loads in
  limited positions
• Adjustment of the gripping surfaces of the
  shape of the load
• Optimal and most reliable grip at the end
  position of the arms

Designed for reliable
gripping, safe work and
less energy consumption.

“I have surrounded myself
with very smart people.”
- Bill Edison

Is it time to surround
yourself with the best and
very smart tools?
**BEST GRIP GRAPPLE**

The most reliable and safe grip - for the most demanding handling, safe manipulation and reliable grip.

- **For the safest rock handling**
- **Universal sorting and handling**
- **For Demolition – fully closed Grapple**

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**FOR THE SAFEST ROCK HANDLING**

Each gripping detail is designed with a purpose.

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**"The purpose of life is not to be happy. It is to be useful, to be honorable, to be compassionate, to have it make some difference that you have lived and lived well."**

- Ralph Waldo Emerson

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“Make it simple. Make it memorable. Make it inviting to look at. Make it fun to use.”

- Noam Johanson
Heavy duty **DEMOLITION GRAPPLE**

Heavy manipulation grapple for demolition tasks and the sorting of all kinds of building materials.

- **HIGH CLOSING FORCES**
  - Two horizontally positioned hydraulic cylinders, integrated rotation

- **POWERFUL GRIP FOR CRUSHING STRENGTH**

- **DURABLE CUTTING EDGES** HB500

**SORTING GRAPPLE**

Modularis sorting grapple is ideal for excavation of earth and mud, material handling, placement of stones (recommended BEST GRIP arm) and boulders, collecting green waste, small demolitions for optimum and quick selection of different materials.

“...You don’t reach points in life at which everything is sorted out for us. I believe in endings that should suggest our stories always continue.”

- Lauren Oliver

**Universal sorting and handling**
Modularis Alligator grapple was developed as the most useful forestry tool in general. Works like root pulling, log & timber handling (biomass) and cleaning forest shouldn’t be a problem anymore. It can be usefully combined also with our saw unit, due to arm grip that provides holding the log & timber in position.

**ALLIGATOR GRAPPLE**

Heroes get remembered, but legends never die.

- Max Holloway
In order to keep my power alive, I just try to enjoy life to the fullest.
- G-Dragon

Alligator screening bucket grapple joins two types of work, gripping and screening of material on the same spot. Commonly used for green waste recycling-separating-cleaning construction sites.

On some areas in Europe it is also used for sorting stones.
Grapple & Tree Shear in one tool

Multifunctional Grapple designed also as MODULARIS TREE SHEAR - GRAPPLE SAW is the best application for the harvest of bushes and small trees and maintenance work along roads and waterways. Wood cutting by this model can also be achieved by A - Synchro arm movement, which means arms always hold the tree first and then finish it by done by cutting off the tree. Grapple is extremely robust and easy to maintain, due to exchangeable cutting-edge material HB500.

MUNICIPALITY WORKS
Clearing branches along roads and waterways.

SAFE MANIPULATION AND CUTTING OF WOOD.
PATENTED CUTTING SYSTEM

The unique shape of the knives significantly reduces the necessary cutting power.

PROFESSIONAL OR SIMPLE VERSION

Tree shear with rotation – professional user

Tree shear without rotation – simple version

All for the best. Best for all.
FORESTRY BIOMASS MODULE
(Saw + Tree Shear + Alligator)

SUMMARY
MODULARIS BIOMASS GRAPPLE MODUL is the first module combining the most common forestry application joined in one modular package. It contains three Modularis forestry application grapple arms SAW+TREE SHEAR+ALLIGATOR in one tool, one package. Cost effective investment in BIOMASS MODULE is for sure great economic solution, providing timber handling, sawing and cleaning forest in one tool.

UNIVERSAL USE
Wood biomass manipulation
Tree cutting and sawing
Forest area cleaning

Built for the toughest demands.
Modularis Bulk material grapples are well suited for handling a wide range of materials, such as rocks, scrap metal, and waste. Grapples are particularly useful in paper mills, logging, and forestry, as well as recycling and shipping applications in ports. High volume arms mounted on higher operating weight excavators are simplifying manipulation of large quantities of raw material.
HEAVY DUTY &
Most Demanding Manipulation

Compact chassis –
100% resistant to damage

Use in heavy and difficult working conditions - demolition, manipulation of dangerous objects.

Powerful
Reliable
Effective
Safe

Super, reliable grip

www.modularis-drive.com
Modularis Smart Control unit

Switch the saw on / off

Electro-hydraulic control unit

Rotation control and brake control (on / off)

Modularis Upgradable SMART Grapple is your optimal solution for the most demanding needs. It is Simple, Convenient, Robust, Reliable, Increases YOUR Productivity and gives you FEEDBACK.

ModularisUpgradable SMART Grapple

Simple

Modular & Multifunctional

Agile

Reliable

Optimal

Modularis Smart Concept

Work Smart / Save time / Save Money / Work Modularis

Innovative, unique and patent pending two-way communication is monitoring and setting the operating parameters. You can install and choose among different working modes.

Area of usage:
- Heavy duty load handling, where high safety is required
- Manipulation of sensitive and brittle loads, where a specific adjustable closing force is required
- Precise manipulation
- Additional work functions for your machine with Upgradable Grapple such as Sawing and cutting the trees

With a touchscreen interface you can choose the standard operating modes and define the operating parameters such as:
- Pressure - clamping force
- Turning torque
- Switch the brake on / off for the rotation locking of the Grapple

Through displayed parameters you are informed about actual Grapple performance as the:
- Gripping force
- Moment of rotation
- Brake status
- Actual working mode

Adjust the working pressure, set operating modes and control the gripping force.
Imagine...

Leverage, Be Flexible & Smart

modularis drive

WANT TO BE SURPRISED EVEN MORE?
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