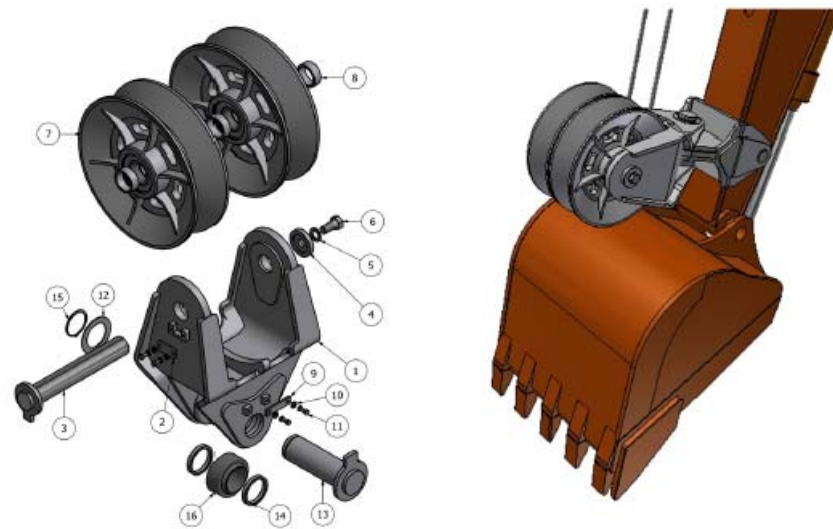




# TRACTIONLINE

DESIGNED  
MANUFACTURED  
& TESTED  
BY ELECTRICAL & MACHINERY SERVICES LTD  
ROTORUA, NEW ZEALAND



- Innovative control system can be installed easily in most Steep Slope machinery.
- Bespoke sheave system, utilises a spherical bearing, to equalise rope forces transmitted to the anchoring bucket, while the wide throats allow for the retrieval of bridle chains in areas with limited landing space.
- Multiple safety redundancies and a real time operator display interface, ensure safe operation of the system.

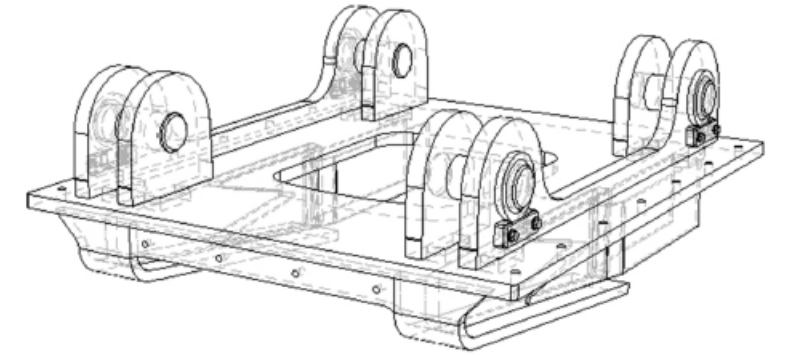
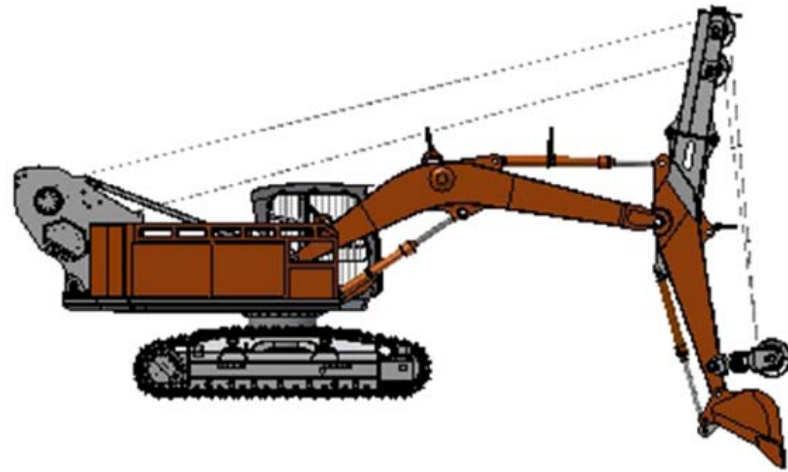
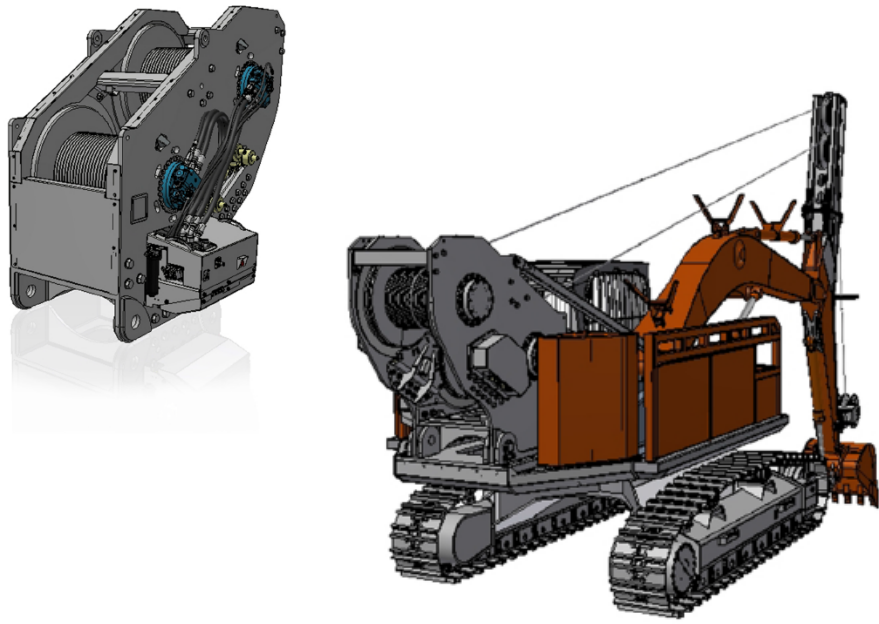
TRACTIONLINE

TECHNICAL  
FOREST  
SOLUTIONS, LLC

2207 Talley Way  
Kelso, WA 98626-5510

TECHNICAL  
FOREST  
SOLUTIONS, LLC

Frank Chandler (360) 430-7695 email: frankrhandler@msn.com



- Designed, manufactured and tested in New Zealand. Employing multiple CAD, CAM and computer aided stress analysis procedures, and using the highest quality proprietary components available.
- "Manufacturing to field" design philosophy, resulting in well proven safe operating practises manuals and support literature.



- Modular winch mount, designed to replace factory counterweights on excavators 25 tonne +
- Mounting Integrates the base machines chassis rails, and utilises forward stays to provide a strong reliable connection with excellent load path properties.
- Intelligent Hydraulic control integrates and functions seamlessly with most OEM excavator hydraulic systems. Allowing user friendly and fuel efficient operation.
- Compatible with older model, high hour machinery.

TRACTIONLINE

TRACTIONLINE

