



# WIND TURBINE MANUFACTURING SOLUTIONS



THE RIGHT TOOL MAKES ALL THE DIFFERENCE

# PROVIDING YOU THE RIGHT TOOLS TO EMBRACE THE FUTURE OF WIND

Over recent years, the requirement for larger capacity wind farms has grown dramatically. Wind turbines of the future will be significantly larger, increase in diameter and be heavier than ever before. As a result, manufacturers face more significant challenges to machine, assemble, lift, and transport wind turbine components within their factories.

Enerpac lifting and machining solutions will provide wind turbine manufacturers the flexibility to face these challenges and future-proof their operations for years to come. Investing in trusted, high-quality Enerpac equipment today will ensure your company is ready to take turbine manufacturing to new heights, build a more sustainable future and embrace the future of wind.

## ORBITAL MILLING MACHINES

Enerpac Orbital milling machines are designed to deliver fast material removal and achieve high accuracy across large flange diameters. A range of orbital milling machines is specifically designed for the wind power manufacturing industry. The machines have an in-built degree of flexibility to cope with new blade designs.



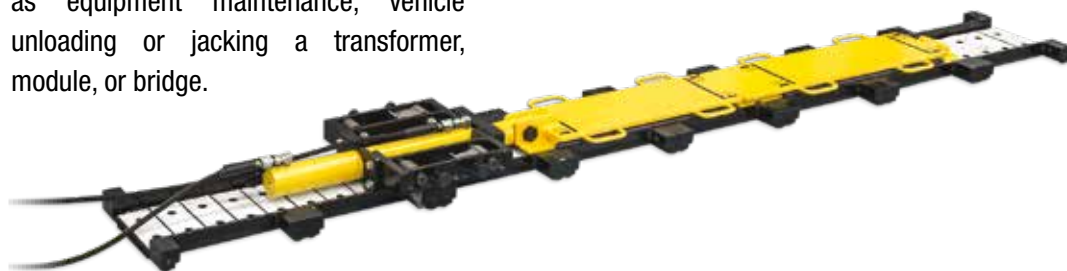
## SELF-LOCKING CUBE JACKS

Enerpac SCJ-Series incremental lifting system with automated mechanical locking. The compact size and portability of Self-Locking Cube Jacks with steel cribbing blocks offer a powerful solution for numerous lifting applications, such as equipment maintenance, vehicle unloading or jacking a transformer, module, or bridge.



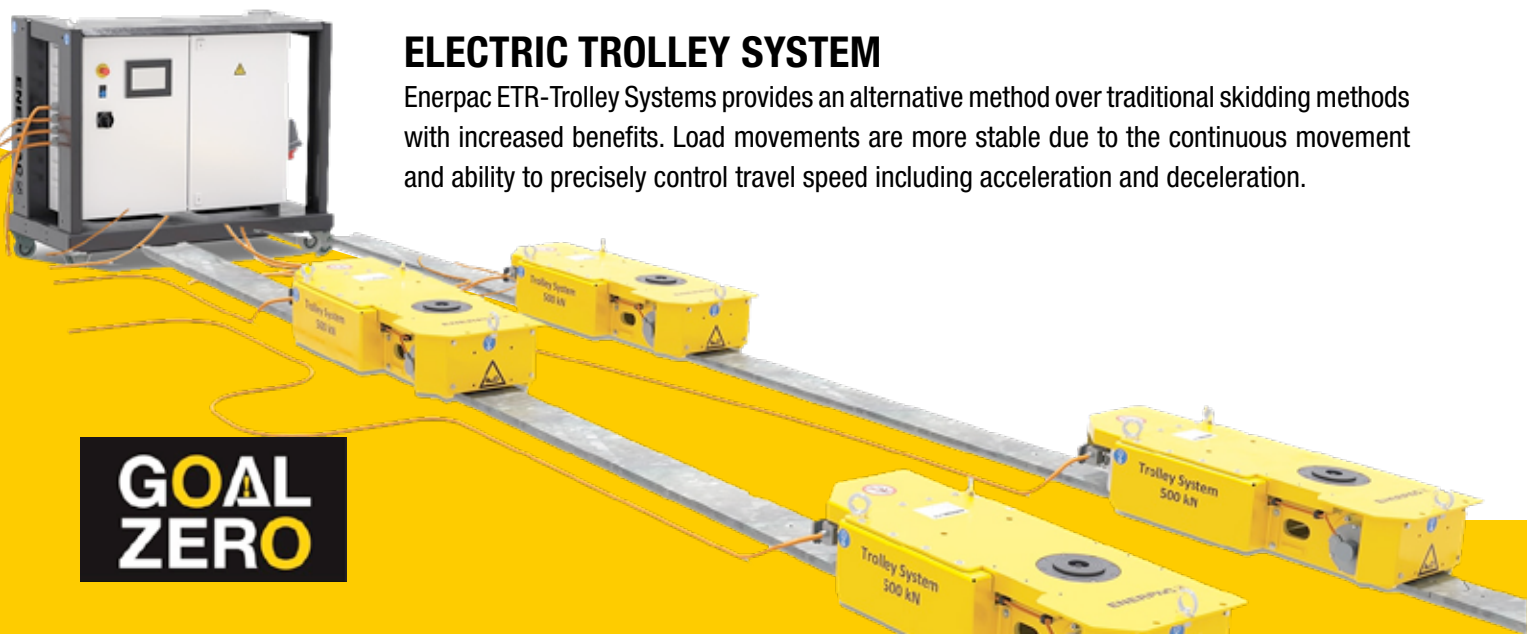
## LOW-HEIGHT SKIDDING SYSTEM

Enerpac LH-Series includes low-height skid beams that can fit in tight spaces while still offering high capacity when picking up a load from below. We also offer a track support for added rigidity when the surface is not fully supported.



## ELECTRIC TROLLEY SYSTEM

Enerpac ETR-Trolley Systems provides an alternative method over traditional skidding methods with increased benefits. Load movements are more stable due to the continuous movement and ability to precisely control travel speed including acceleration and deceleration.



# TELESCOPIC HYDRAULIC GANTRIES

Hydraulic gantries are a safe, efficient way to lift and position heavy loads in applications where traditional cranes will not fit and permanent overhead structures for job cranes are not an option.

When used with rail systems, hydraulic gantries also provide a means for moving and placing heavy loads. Hydraulic gantries are a cost effective solution for many lifting and rigging applications.

Enerpac hydraulic gantries have a number of unique features to ensure optimum stability and safety: self-contained hydraulics and electrics, self-propelled wheels or tank rollers, and the Intelli-Lift wireless control system. Intelli-Lift provides the operator with information about the stroke, lift and load per unit and it automatically corrects any unsynchronised motion of the individual units.



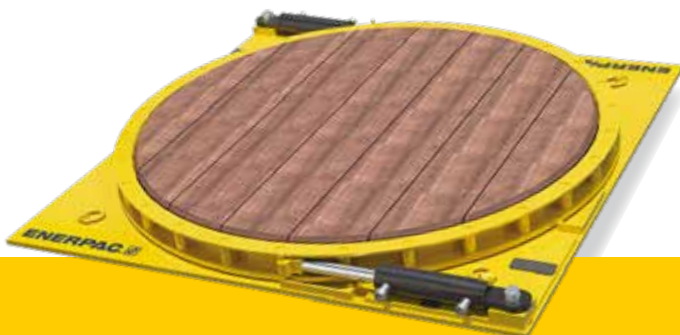
Enerpac offers a range of accessories to complete the gantry system: header beams, skid tracks, side shift systems, lifting lugs and Intelli-Lift wireless control system, included with all Enerpac hydraulic gantries.

Max. Capacity (with 4 legs) (kN)			Model Number	Lift Height (mm)			Weight (per leg) (kg)
1st stage	2nd stage	3rd stage		1st stage	2nd stage	3rd stage	
1000	600	--	SL100	3400	4750	--	1735
2000	1360	--	SL200	4716	6700	--	2200
3000	2000	--	SL300	4615	6710	--	3250
4000	3000	2000	SL400N	4365	6025	7700	3600
4000	4000	1840	SL400	5224	7232	9140	4600
5200	5200	3000	SBL500	4998	6908	8618	6300
8976	5924	--	SBL900	8304	11.304	--	13.350
10.484	6756	3780	SBL1100	7004	9668	12.002	11.950
400	400	400	ML40	3000	4200	5500	1300



# TURNTABLE

Enerpac ETT-Series is your solution for rotating heavy loads during, before or after a lifting and skidding operation. Turntables in combination with our SL-Series gantries make load handling in the most demanding situations easy.



The large and heavy objects that our lifting products are designed to manage are all extremely valuable and often irreplaceable pieces of equipment. Control and safety is paramount, especially when distributing the load over multiple lifting points. To ensure that synchronisation is guaranteed, Enerpac offers a range of intelligent lifting systems. These complete your heavy lifting solution, allowing you to work in a safe, professional and efficient manner. We are passionate about solving your challenges, together.

**ELITE TOOLS. FOR ELITE PROFESSIONALS.**

## LOW-HEIGHT LIFTING PRODUCTS

Enerpac offers a full range of low-height cylinders, telescopic cylinders, toe lifts and wedge tools that provide maximum power to height ratio. The low-height design make these tools ideal for use in confined spaces, and to clear the first centimeters of your load from below.



## ASSEMBLY & DISMANTLING TOOLS



Cordless Battery Driven and Split-Flow Pumps



Square Drive and Hexagon Hydraulic Torque Wrenches



Nut Splitters



Steel Hand Pumps

