TELESCOPIC HYDRAULIC GANTRIES

THE ULTIMATE IN SAFETY AND CONTROL

ML, SL, SBL-SERIES

ENERPAC

▼ The Enerpac ML, SL and SBL-Series Telescopic Hydraulic Gantries

Precision Lift and Position of Heavy Loads

The Ultimate in Safety and Control

Why Choose Enerpac's Telescopic Hydraulic Gantries?

Highest Quality

- Enerpac adheres to the highest quality standards and maintains rigid QA manufacturing processes
- Lloyd's witness tested to 125% of maximum working load.

Aftersales Support

- Product training is available at our place or yours, to insure operators are fully trained prior to using the equipment
- Our global staff is available to help anywhere the equipment may be in operation
- Worldwide Inspection & Maintenance Programs.

Proven Safety

- All Enerpac gantries comply to ASME B30.1 and other Safety Standards
- Advance technology and controls alert operator of unsafe conditions and stops gantry operations.

Aftersales Support, On-site Training & Supervision

Once you take possession of your new heavy lifting equipment, you have on-demand access to our field support team. And support continues with ongoing maintenance or system upgrades throughout the life of your assets.

The Enerpac Inspection Program

The Enerpac Inspection Program is a key element of our comprehensive Maintenance Program (EMP). This inspection program not only helps to ensure your heavy lifting equipment is ready for the next job, you'll also benefit from a dedicated support resource and a program structured to suit your exact needs.

The Enerpac Maintenance Program (EMP)

Technical support throughout the life cycle of your Enerpac Heavy Lifting equipment. The EMP will increase your productivity, optimize cost effectiveness, and ensure your projects are safer and easier to perform.

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CE ASME SETTING THE STANDARD Lloyd's Register ISO 9001:2008 REGISTERED

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 are not an option.

Hydraulic Gantries are placed on skid tracks to provide a means for moving and placing heavy loads, many times with only one pick.

Enerpac offers three series of Hydraulic Gantry systems:

- The compact and portable **ML-Series Mini-Lift** featuring built in travel drive and hand held wireless pendant.
- The cost-effective **SL-Series Super-Lift** with best-in-class control and comparable capacity utilizing telescopic cylinders offered in 2 or 3 stages.
- The heavy-duty **SBL-Series Super Boom Lift** with capacities up to 1178 tons and 3-stage lifting capability through the boom structure.

All Enerpac gantries are delivered with specific properties and control systems to ensure optimum stability and safety.

Standard Features

- Self-contained hydraulics
- Wireless Intellilift controls
- Synchronous lifting and lowering
- Self-propelled wheels or tank rollers with synchronized travel.

ML, SL, SBL Series

Capacity (with 4 legs):

45 - 1178 tons

Lifting Height:

9.84 - 39.38 feet

1	Gantry Leg	Required
2	Skid Track	Required
3	Side-Shift	Optional
4	Header Beam	Required
5	Lifting Anchor *	Optional
6	Intelli-Lift Controller **	Included

* In the illlustration the Side Shifts are shown. However, some loads can be lifted with Lifting Anchors. For this reason a Lifting Anchor is shown.

** Intelllift controls offered on SL and SBL-Series only.

Intelli-Lift Controller

The Intelli-Lift wireless control system is included with all Enerpac hydraulic gantries.

The Intelli-Lift controller offers superior safety and control and includes the following features:

- Encrypted bi-directional communication that eliminates interference from other devices
- Remote operation using multi-channel wireless (2.4 GHz) or wired (RS-485) control
- High and low speed settings
- Automatic synchronization of lifting with an accuracy of 1.0 inch (25,4 mm)
- Automatic synchronization of travelling with an accuracy of 0.60 inch (15 mm)
- Overload and stroke alarms
- Remote side-shift control
- Emergency stop switch
- Intelli-Lift controls offered on SL and SBL-Series gantries only.

ML-Series, Mini-Lift Hydraulic Gantry

ENERPAC

▼ One leg of ML40 Mini-Lift Hydraulic Gantry; shown with Wireless Pendant

ML
Series

Capacity with 4 legs:
45 tons

Lift Height:
18.0 feet

Skid Tracks

Skid tracks used for leveling and load distribution to reduce ground bearing pressure. Available in two standard lengths.

Description	Model Number
9.84 feet length	GST100-3
19.36 feet length	GST100-6

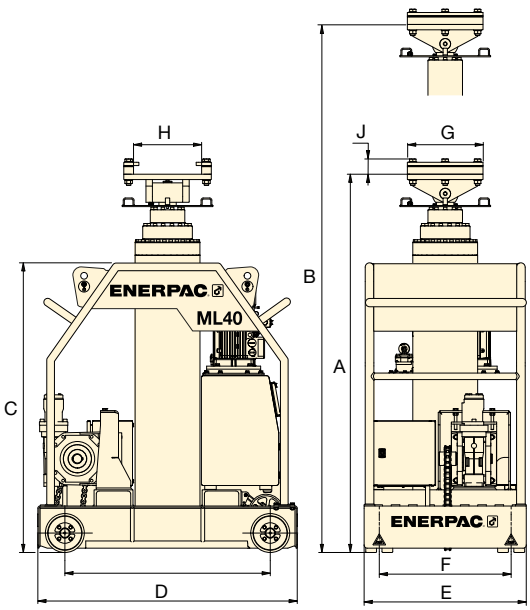
- **Compact design for use in areas with limited space**
- **Powered travel, under load, standard on all models for ultimate utilization**
- **Easy-to-use handheld pendant control can operate four legs simultaneously**
- **Wireless Pendant: Stroke measurement and closed loop synchronization ensure level lifting and lowering. Integrated 1.8 inch color display provides load and stroke information for all four lift points.**
- **Compatible with standard Enerpac gantry accessories**
- **Operates on 115 or 230 VAC 1-phase (1 circuit per leg) or 380-415 VAC 3-phase power.**

Operating Voltages

ML40 is available in three voltages. 1 circuit per leg.

Voltage	Model Number
110-120 VAC, 1 phase, 20 A	ML40B
208-240 VAC, 1 phase, 10 A	ML40E
380-415 VAC, 3 phase, 4 A	ML40W

▼ *Moving and positioning a 25 tons boiler using the ML40 Mini-Lift Gantry.*



Maximum Capacity * (tons)	Model Number (4 legs)	Retracted Height A (ft)	Stage 1 Max. Height B (ft)	Stage 1 Max. Capacity * (tons)	Stage 2 Max. Height B (ft)	Stage 2 Max. Capacity * (tons)	Stage 3 Max. Height B (ft)	Stage 3 Max. Capacity * (tons)	Base Height C (in)	Base Length D (in)	Base Width E (in)	Track Gauge F (in)	Beam Plate Length G (in)	Beam Plate Width H (in)	Beam Plate Height J (in)	Wheel Base K (in)	** (lbs)
45	ML40	6.23	9.84	45	13.78	45	18.0	45	54.75	47.25	29.50	24.00	13.78	12.40	2.80	37.40	2756

* Capacity with 4 legs.

** Weight per leg including oil.

▼ **Typical SL400 configuration with Skid Tracks, Header Beams and Side-Shifts**

SL Series

Capacity with 4 legs:
220 - 450 tons

Lift Height:
14.31 - 29.99 feet

- **Built-in load holding valves to prevent drifting**
- **Double-acting cylinders with internal retract porting eliminate hazards to external plumbing**
- **SL200 and SL400N are provided with a hand crank to easily switch to free wheel mode**
- **SL400 utilizes same accessories as SBL-Series.**

Skid Tracks

Skid tracks used for leveling and load distribution to reduce ground bearing pressure. Available in two lengths, 9.8 and 19.3 feet.

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Header Beams

Sold in pairs and includes lifting points and fork pockets for easy positioning on gantry towers. Available in lengths of 19.7, 26.2, 32.8 and 39.2 feet.
Custom lengths available on request.

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Lifting Anchors

Designed to transfer the load to the top of the header beam. Can accommodate a 250 tons shackle or attach directly to the lifted load.

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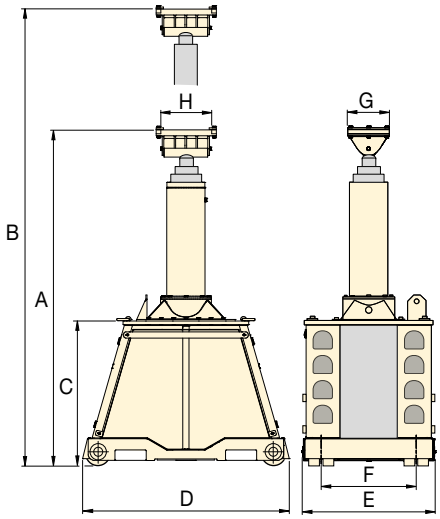

SL400 Gantry during load testing. ▶

Maximum Capacity (with 4 legs) (tons)	Model Number * (4 legs)	Retracted Height A (ft)	Stage 1 Max. Height B (ft)	Stage 1 Max. Capacity ** (tons)	Stage 2 Max. Height B (ft)	Stage 2 Max. Capacity ** (tons)	Stage 3 Max. Height B (ft)	Stage 3 Max. Capacity ** (tons)	Base Height C (in)	Base Length D (in)	Base Width E (in)	Track Gauge F (in)	Beam Plate Length G (in)	Beam Plate Width H (in)	Weight per leg (with oil) (lbs)
220	**SL200J**	8.96	15.47	220	21.98	150	–	–	61.02	55.12	34.65	24.00	13.78	22.83	4850
450	**SL400NJ**	8.94	14.31	450	19.76	337	25.26	220	74.80	66.93	34.65	24.00	15.75	22.83	7937
450	**SL400J**	10.39	17.14	450	23.73	450	29.99	208	54.25	79.65	50.75	36.00	15.75	22.83	10141

* Voltage **J** = 460-480 V, 3 ph, 50-60 Hz; **W** = 400 V, 3 ph, 50 Hz.
** Maximum capacity with 4 legs.

▼ **SBL1100 with Skid Tracks, Header Beams and Side-Shifts**

SBL Series

Capacity with 4 legs:
674 - 1178 tons

Lift Height:
34.78 - 39.38 feet

Lifting Anchors

Designed to transfer the load to the top of the header beam. Can accommodate a 250 tons shackle or attach directly to the lifted load.

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Powered Side-Shift

Electric propulsion controlled by standard gantry controls. Each set consists of 4 units.

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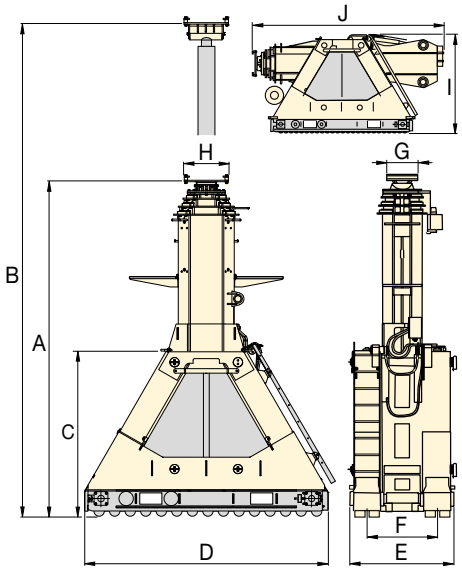
- **External boom: provides added strength for increased capacity and lifting height**
- **SBL600 travels on steel wheels. Tank rollers on SBL900 and SBL1100 to provide optimum load distribution.**
- **All SBL-models feature foldable boom to enable easy transport and setup.**



▼ *Enerpac SBL-Series hydraulic gantries are used in a variety of applications to install turbines, transformers and other power generation equipment all over the world.*

Maximum Capacity (with 4 legs) (tons)	Model Number * (4 legs)	Retracted Height A (ft)	Stage 1 Max. Height B (ft)	Stage 1 Max. Capacity ** (tons)	Stage 2 Max. Height B (ft)	Stage 2 Max. Capacity ** (tons)	Stage 3 Max. Height B (ft)	Stage 3 Max. Capacity ** (tons)	Base Height C (in)	Base Length D (in)	Base Width E (in)	Track Gauge F (in)	Beam Plate Length G (in)	Beam Plate Width H (in)	Weight per leg (with oil) (lbs)
674	**SBL600J**	14.11	21.33	674	28.22	562	34.78	416	88.58	128.74	64.65	36.00	15.75	19.29	19,842
1009	**SBL900J**	16.42	27.24	1009	37.09	664	–	–	83.82	135.98	55.43	36.00	15.75	19.29	29,432
1178	**SBL1100J**	14.34	22.98	1178	31.72	760	39.38	424	83.82	135.98	55.43	36.00	15.75	19.29	26,345

* Voltage: **J** = 460-480 V, 3 ph, 50-60 Hz; **W** = 400 V, 3 ph, 50 Hz.
** Maximum capacity with 4 legs.

Transport dimensions:
SBL600 Height **I** = 7.38 feet, Overall Length **J** = 13.16 feet.
SBL900, SBL1100 Height **I** = 7.41 feet, Overall Length **J** = 14.16 feet.

▼ Skid Tracks

SKID TRACKS

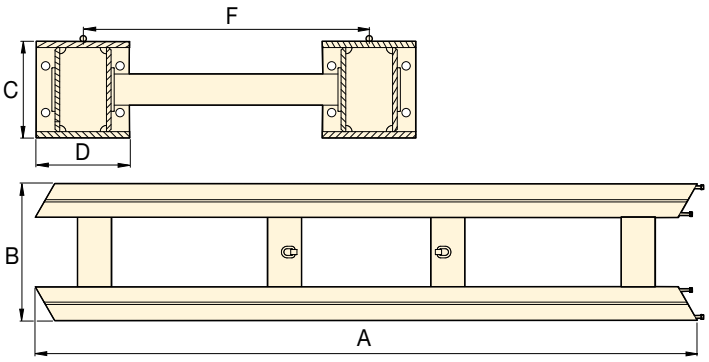
Allows for easy leveling of the gantry leg, available in two standard lengths.

- **Required to support and level gantry**
- **Smoother travel, better load distribution**
- **Includes lifting eyes and/or fork pockets.**

Skid Track End-Stop

Safety device prevents over-travel. Order model number: **TES**

ML, SL, SBL Series



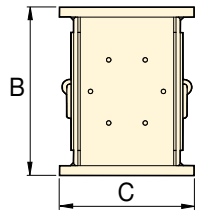
Used with Gantry Series	Model Number	Track Length A (ft)	Track Width B (in)	Track Height C (in)	Track Base D (in)	Track Gauge F (in)	(lbs)
ML40	GST100-3	9.84	31.89	7.87	7.87	24.00	926
	GST100-6	19.36	31.89	7.87	7.87	24.00	1874
SL200, SL400N	GST400-3	9.84	32.68	11.02	8.66	24.00	1554
	GST400-6	19.36	32.68	11.02	8.66	24.00	3020
SL400, all SBLs	GST1100-3	9.84	47.80	12.20	11.81	36.00	2293
	GST1100-6	19.36	47.80	12.20	11.81	36.00	4475

▼ Header Beam

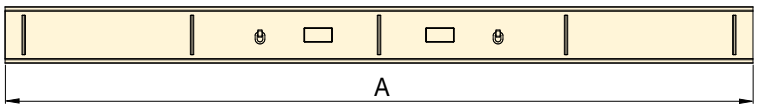
HEADER BEAMS

Sold in pairs and includes lifting points and/or fork pockets for easy positioning on gantry legs.

- **Supplied with load chart**
- **Includes lifting eyes and/or fork pockets**
- **SL and SBL-Series gantries are designed to accept either HBH- or HBB-Series header beams.**
- **ML-Series gantries are designed for use with HBH-series header beams only.**



This drawing represents HBB-beams, HBH-beams are H-beams.



Used with Gantry Series	Maximum Load at Beam Center * (tons)	Model Number	Beam Length A (ft)	Beam Depth B (in)	Beam Width C (in)	(lbs)
ML, SL, SBL	70	HBH6	19.69	17.01	12.09	3527
	77	HBH8	26.25	22.52	12.05	5203
SL, SBL	114	HBB8	26.25	23.62	18.90	7260
	90	HBB10	32.81	23.62	18.90	9039
	148	HBB12	39.21	37.40	18.90	14,259

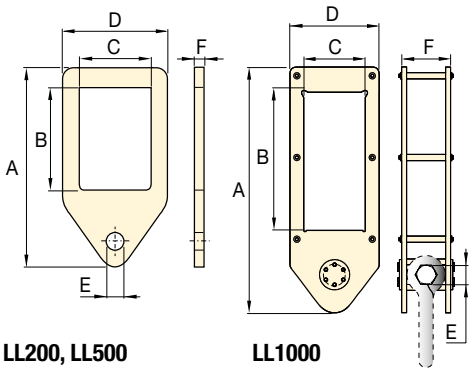
* Based on single point in center of beam. Consult Enerpac for load chart showing capacity off center per lifting anchor.

ML, SL, SBL Series

▼ Lifting Anchor

LIFTING ANCHORS

- **Transfer load to the top of the header beam**
- **Used to attach rigging to header beam**
- **Manually spaced to desired location.**

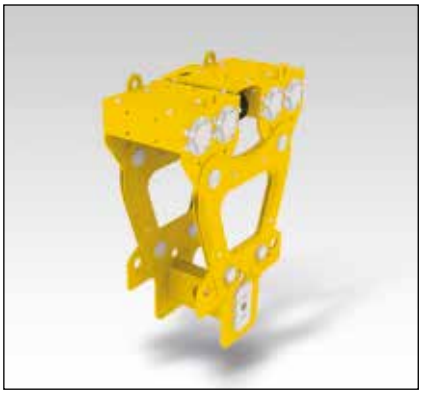


LL200, LL500 **LL1000**

Used with Header Beam	Model Number	Capacity per Anchor (tons)	Anchor Height A (in)	Beam Hole Depth B (in)	Beam Hole Width C (in)	Anchor Width D (in)	Pin Hole Diameter E (in)	Anchor Depth F (in)	(lbs)
HBH	LL200	56	36.42	22.91	12.60	16.54	2.95	1.18	82
HBB	LL500	140	76.97	43.31	19.29	27.95	8.07	1.57	485
	LL1000 *	281	76.97	43.31	19.29	27.95	5.13	16.85	1323

* LL1000 is built with two LL500 plates connected together and designed to use heavy-duty shackle (not included).

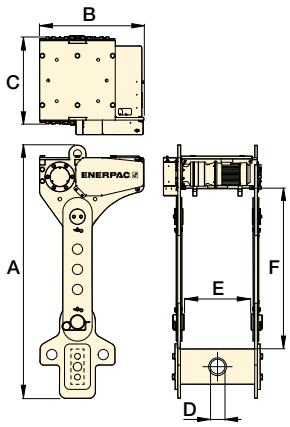
▼ Powered Side-Shift



POWERED SIDE-SHIFT

Electric propulsion controlled by standard gantry controls.

- **Used to shift load along header beam**
- **Each side-shift contains an electric drive**
- **Utilizes existing gantry wireless control**
- **Set of four includes sturdy transport frame.**



Used with Header Beam	Model Number [1]	Capacity per Side-Shift (tons)	Motor Power (hp)	Travel Speed (inch/min)	Side-Shift Height [2] A (in)	Side-Shift Width B (in)	Side-Shift Depth C (in)	Pin Hole Diameter D (in)	Internal Width E (in)	Internal Height F (in)	Weight per Side-Shift Unit (lbs)
HBH	SSU150	42	1,0	20	47.24	23.23	26.20	2.95	12.80	27.36	772
HBB, HBH	SSU300	84	1,0	35	76.54	31.34	29.50	4.33	19.29	48.62	1795
HBB	SSU600	169	1,0	35	75.93	55.12	29.50	5.71	19.29	46.69	3307

[1] Each model number includes 4x propelled unit and cable guides.
[2] Custom heights available on request.

Additional Gantry Accessories, Spare Parts & Service Kits

ML, SL, SBL Series

▼ **Top Swivel Kit**

TOP SWIVEL KITS

- **Mounts to top of SSU-Series side shift units**
- **Provides mounting for additional header beam for increased height or additional rigging points**
- **Swivel head makes installation simple.**

Used with Powered Side-Shift Model	Top Swivel Kits Model Number (includes 4 units)	Capacity per Top Swivel Unit (tons)	Capacity with 4x Units (tons)	Weight per Top Swivel Unit (lbs)
SSU150	**TSK150**	41	164	209
SSU300	**TSK300**	83	332	507
SSU600	**TSK600**	165	660	1554

On-site Training & Supervision

Enerpac can also provide on-site training, on-site supervision during lifting operations and a regular service and maintenance program for any of our heavy lifting equipment solutions.

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▼ **Tarpaulin Cover**

TARPAULIN COVERS

- **Protect your investment from adverse environmental conditions during storage**
- **Not designed for open road transport.**

Used with Gantry Model	Spare Remote Model Nr.	Tarpaulin Cover Model Nr.	Service Kit A Model Nr.	Service Kit B Model Nr.	Service Kit C Model Nr.
ML40B	**MLPC4**	**TCML40**	**03926410000**	**03926420002**	**03926430000**
ML40E	**MLPC4**	**TCML40**	**03926410000**	**03926420003**	**03926430000**
SL200J	**RCU1**	**TCSL200**	**03731410000**	**03731420002**	**03731430000**
SL400NJ	**RCU1**	**TCSL400**	**03864410000**	**03864420002**	**03864430000**
SL400J	**RCU1**	**TCSL400N**	**03442410000**	**03442420002**	**03442430000**
SBL600J	**RCU1**	**TCSBL600**	**03739410000**	**03739420002**	**03739430000**
SBL900J	**RCU1**	**TCSBL900**	**03454410000**	**03454420002**	**03454430000**
SBL1100J	**RCU1**	**TCSBL1100**	**03622410000**	**03622420002**	**03622430000**

Spare Parts & Service Kits

Based on our global operational experiences, we have developed specific service kits to cover the most regular needs to secure operational performance.

- Having spare remote control on hand ensures system operation even if original remote is lost, stolen or damaged.
- **Service Kit A** contains basic service items for regular scheduled maintenance.
- **Service Kit B** contains service and spare parts items to address easily damaged or worn items that require attention during important lifting applications.
- **Service Kit C** contains service and spare parts items to ensure maximum up time for critical lifting jobs that cannot afford any delays.

Transformer Installation with a Hydraulic Gantry

Hydraulic Boom Gantry Safely Transports 120 Tons Machine Bed

Removal of Decommissioned London Tube Trains with a Hydraulic Gantry

Transporting a 1200 Tons Hydraulic Press to the Second Floor with a Hydraulic Gantry

Turbine Lift and Load-in at Shipping Port

Turbine and Generator Installation at a new Power Plant in Libya

Assembling an Offshore Platform Oil Rig Module

Offloading a 1300 Tons Hydrocracker

Generator Installation at the Owen Springs Power Station

Enerpac Heavy Lifting Aftersales Support

On-Demand Support

Once you take possession of your new heavy lifting equipment, you have on-demand access to our field support team. And support continues with ongoing maintenance or system upgrades throughout the life of your assets.

Inspection & Maintenance Program

The Enerpac Inspection Program is a key element of our comprehensive Maintenance Program (EMP). The inspection can be a regular annual inspection or scheduled to coincide with a critical upcoming project that will use your equipment.

On-the-Job Field Support

Should you ever require extra support while using your Enerpac Heavy Lifting system on the job, our dedicated application engineers will work closely to guide your operators.

And to ensure job safety, they will travel to your job site as needed to ensure your project is completed timely and without incident.

Reach out to us at **Enerpac.com/support**

Maintenance & Repair

Downtime is minimized with fast delivery of repair parts and consumables stocked at several locations worldwide.

For those that want the added confidence of specialized technicians, the Enerpac Maintenance & Repair team are ready to perform your maintenance or repair services for you.

Industry 4.0

Enerpac products incorporate technology in line with Industry 4.0 standards.

Data Analysis - Lift data can be downloaded after completion of work to review and identify trends in similar operations.

Remote Monitoring - Lift parameters can be accessed and reviewed from remote locations.

Remote Troubleshooting - Enerpac service engineers can access and troubleshoot many common problems without having to travel to job site, saving money and minimizing downtime.

Enerpac Inspection Program

The Enerpac Inspection Program is a key element of our comprehensive Enerpac Maintenance Program (EMP). This helps to ensure your heavy lifting equipment is ready for the next job, you'll also benefit from a dedicated support resource and a program structured to suit your exact needs.

The inspection can be a regular annual inspection or scheduled to coincide with a critical upcoming project that will use your equipment.

- **On-site inspection**: One of our ur Enerpac technical service experts will travel to your location to provide equipment inspection.
- **Visual inspection & functional testing**: Each Enerpac Heavy Lifting product has a specific checklist that covers both visual inspection and functional testing to include pressure testing of equipment where applicable. (Please note that load testing is not included).
- **Completed checklist inspection sticker**: Upon completion of services an Enerpac inspection sticker denoting month and year of inspection and completed checklist will be provided.
- **Repair & Replacement**: Repair needs, replacement parts or additional spares can also be ordered or scheduled after completion of the inspection.

Enerpac Maintenance Program (EMP)

This support program lets you focus on your core business - giving you complete peace of mind throughout the life of your Enerpac equipment.

- **Technical support**: available to support your global operation with preventive and corrective maintenance, commissioning, technical support and onsite product support.
- **Customized expert training**: training modules cover how to operate and maintain your Enerpac equipment most effectively; and can be tailor made on request.
- **Service parts**: specific service kits to cover the most regular needs to secure operational performance.
- **Repair service**: by Enerpac technical experts on your premises or in our high-quality facilities.
- **Equipment update**: Enerpac continuously improves its systems design with innovative solutions. Talk to us about how we can assist you with extending the life cycle of your equipment by offering upgrades that may be available for your equipment.

The Enerpac Inspection and Maintenance Programs are for Enerpac Heavy Lifting Equipment only, such as Hydraulic Gantries, Heavy Lift Strand Jacks, Synchronized Lifting Systems, Jack-Up Systems, Trolley Systems, Turntables, Skidding Systems, and Synchronous Hoist Systems.

THE RIGHT TOOL MAKES ALL THE DIFFERENCE

Enerpac heavy lifting technology products are put to work under the most intense and demanding conditions. That's why we never compromise. So you can rely on quality and precision every time, giving you the safest and most efficient path to a successful lift.

Enerpac heavy lifting technology combines technical excellence with proven performance – every day, every year, year after year. We believe that customers shouldn't have to compromise – they can rest easy knowing that even in the most complex situations, their reputations and safety are protected by the most trusted products available.

ELITE TOOLS. FOR ELITE PROFESSIONALS.

Heavy Lifting Technology

SFP-Series,
Split-Flow Pumps

EVO, EVOP-Series,
Synchronous Lifting Systems

SCJ-Series,
Self-Locking Cube Jacks

JS-Series,
Jack-Up Systems

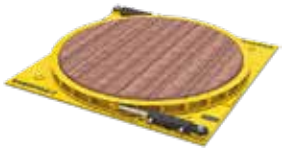
ML-Series, Mini-Lift
Telescopic Hydraulic Gantry

SL, SBL-Series,
Telescopic Hydraulic Gantries

HSL-Series,
Strand Jack Systems

SHS-Series,
Synchronous Hoisting Systems

LH-Series,
Low-Height Skidding Systems



ETT-Series,
Hydraulic Turntables

ETR-Series,
Electric Trolley Systems

EMLS, EMV-Series,
Battery-Powered Machine Skates

ENERPAC

www.enerpac.com