



TELESCOPIC CRANK & SPINDLE MASTS AND MILITARY TRAILERS



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WILL-BURT EXPANDS ITS TELESCOPING MAST PRODUCT OFFERING, ACQUIRES GEROH

More Mobile Surveillance and Communications Customer Solutions

Will-Burt Has a Mast for Any Customer Requirement

The Will-Burt Company has acquired GEROH GmbH, based in Waischenfeld, Germany. GEROH is the leading manufacturer of telescoping mast and trailer solutions for the military market in Western Europe. The acquisition broadens the mast product line that Will-Burt offers customers in its global markets and gives it manufacturing facilities and sales and service capabilities in Europe.

“GEROH engineers, designs and manufactures a broad line of high performance mechanical masts that will complement Will-Burt’s product line and capabilities and enable both companies to better fulfill our customers’ needs for elevation solutions,” said Jeff Evans, Will-Burt’s President, CEO and Chairman. “In addition, this acquisition allows us to become closer to our European customers and to be able to serve them even better.”

Commencing its operations in 1946, GEROH will continue production and operations in its current location. “We are excited about the combination of products, capabilities and markets that will enable both Will-Burt and GEROH to become stronger across the Atlantic and across the globe,” said GEROH CEO Peter Dressendörfer. “Together, we can deliver better products and better service to all our customers.”

Will-Burt offers a broad range of masts, from its high performance, high pointing accuracy Stiletto family of masts for military, border patrol and other applications, to its Expedition Series single-man portable tripod mast, including pneumatic and mechanical masts and light towers.



GEROH cable-driven masts include the heavy-duty KVR mast, well suited for surveillance or communications antenna systems as well as the lighter-duty KVL mast. Each mast may be vehicle, shelter, trailer or field-mounted and has an available tilt system. GEROH also offers the heavy duty Spindle mast with greater weight-lifting capability and pointing accuracy.

In addition to its masts, GEROH also engineers and manufactures its own line of specialty single and double axle military trailers, designed for maximum mobility with high payload capability and low curb weight.

Combining the GeroH products with our existing Will-Burt masts and ITS towers allows us to satisfy virtually every customer need in today’s demanding markets,” said Evans. “Combined with our integration, engineering, manufacturing and Quick-Turn® capabilities, we now are truly a one-stop shop to meet our customers’ needs.”

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KVL LIGHT DUTY – FOR PAYLOADS UP TO 55 LBS (25 KG)

The Family of light duty GEROH Telescopic Crank Masts is characterized by lightweight construction in addition to superior stability, reliability and long life.

The KVL mast system is in use in military and commercial applications such as communications testing, surveillance and lighting and are designed for vehicle, trailer, shelter or field deployment.

The mast sections consist of close tolerance mast profiles which ensure precise pointing accuracy. Safe deployment and retraction is assured, even with ice or heavy wind conditions.

ESSENTIAL FEATURES

- Payloads up to 55 lbs (25 kg)
- Heights up to 40 ft (12 m)
- Optimal for light optical monitoring systems but also mobile light measuring stations
- Designed for trailer, shelter, vehicle or field mounting
- MIL-STD 810 - F
- Field Deployment Kit

EXAMPLES (OTHER MAST TYPES AVAILABLE)

Specifications	2.5 KVL 3	4 KVL 4	6 KVL 5	8 KVL 5	10 KVL 6	12 KVL 6
Extended Height	8.2 ft. / 2.5 m	13.1 ft. / 4 m	19.6 ft. / 6 m	26.2 ft. / 8 m	32.8 ft. / 10 m	39.2 ft. / 12 m
Nested Height	3.5 ft. / 1.1 m	4.2 ft. / 1.3 m	5 ft. / 1.5 m	6.2 ft. / 1.9 m	6.9 ft. / 2.1 m	7.9 ft. / 2.4 m
Payload Capacity	55 lbs. / 25 kg	55 lbs. / 25 kg	55 lbs. / 25 kg	44 lbs. / 20 kg	33 lbs. / 15 kg	33 lbs. / 15 kg
Approximate Mast Weight	35 lbs. / 16 kg	45 lbs. / 20.5 kg	53 lbs. / 24 kg	68 lbs. / 31 kg	88 lbs. / 40 kg	99 lbs. / 45 kg
Number of Sections	3	4	5	5	6	6
Example	Police Video Surveillance	Fire & Rescue Lighting	Radio Monitoring Systems		Radio Monitoring Systems	



KVR HEAVY DUTY – FOR PAYLOADS UP TO 154 LBS (70 KG)

The Family of heavy duty GEROH – Telescopic Crank Masts is specially qualified for mobile use and heavy payloads. Heavy payloads in conjunction with heights up to 65 ft (20 m) distinguish the KVR.

The automatic locking system between the mast sections ensures failure-free operation, also under extreme environmental conditions at -60° F (- 50° C) and wind speeds up to 80 mph (130 km/h). In addition, special guidance systems guarantee tight azimuth integrity – despite heavy payloads.

The KVR model range is in use for military and commercial applications. The range of applications includes: complex communication systems, surveillance, position location and target acquisition systems.

The masts are qualified to MIL-STD 810-F.

ESSENTIAL FEATURES

- Payloads up to 154 lbs (70 kg)
- Heights up to 65 ft (20 m)
- Optimal for heavy communication systems, surveillance systems as well as direction finding antennas
- Designed for vehicle, trailer or field deployment
- DC Motor Optional
- Field Deployment Kit Optional

EXAMPLES (OTHER MAST TYPES AVAILABLE)

Specifications	2.5 KVR 3	4 KVR 3	6 KVR 5	8 KVR 5	10 KVR 6	12 KVR 6	14 KVR 5	17 KVR 6
Extended Height	8.2 ft. / 2.5 m	13.1 ft. / 4 m	19.6 ft. / 6 m	26.2 ft. / 8m	32.8 ft. / 10 m	39.2 ft. / 12 m	45.9 ft. / 14 m	55.7 ft. / 17 m
Nested Height	3.9 ft. / 1.2 m	5.5 ft. / 1.7 m	5.5 ft. / 1.7 m	6.9 ft. / 2.1 m	7.5 ft. / 2.3 m	8.5 ft. / 2.6 m	10.8 ft. / 3.3 m	11.1 ft. / 3.4 m
Payload Capacity	154 lbs. / 70 kg	143 lbs. / 65 kg	154 lbs. / 70 kg	154 lbs. / 70 kg	110 lbs. / 50 kg	110 lbs. / 50 kg	88 lbs. / 40 kg	132 lbs. / 60 kg
Approx. Mast Weight	66 lbs. / 30 kg	77 lbs. / 35 kg	110 lbs. / 50 kg	134 lbs. / 61 kg	187 lbs. / 85 kg	205 lbs. / 93 kg	187 lbs. / 85 kg	255 lbs. / 116 kg
Number of Sections	3	3	5	5	6	6	5	6
Example	Various Military Field Installation	UAE Army Radio Relay Station					German Army Control Station UAV	Various Military Hägglund Radio Relay



SPM – FOR PAYLOADS UP TO 1300 LBS (600 KG)

The Family of GEROH Telescopic Spindle Masts is used by the German Army and other international forces to enhance capabilities like communication, security, surveillance, reconnaissance and detection of targets throughout the battlefield.

Our Spindle Mast Systems are developed for the highest requirements in precision and heavy payloads. The spindle drive system guarantees environmental independent operation – also in extreme inclines.

High precision with very close tolerances is guaranteed by our specially machined aluminium mast sections. For this reason the SPM masts are optimized for optical / electronic intelligence, monitoring and target recognition as well as electronic warfare systems.

ESSENTIAL FEATURES

- Designed for heavy payloads with large windsail areas
- Precision tolerances maintain azimuth and minimize deflection.
- Precise pointing accuracy excellently suited for optical electronic intelligence, monitoring, and target recognition.
- Designed for inside and outside vehicle installation.
- Electronic and Manual Operation
- MIL-STD 810-F qualified

EXAMPLES (OTHER MAST TYPES AVAILABLE)

Specifications	180 – 2 SPM 2	230 – 3 SPM 5	230 – 6 SPM 5	300 – 9 SPM 6	360 – 12 SPM 4	300 – 15 SPM 7	360 – 18 SPM 6
Extended Height	6.5 ft. / 2 m	9.8 ft. / 3 m	19.7 ft. / 6 m	29.5 ft. / 9 m	39.4 ft. / 12 m	49.2 ft. / 15 m	59 ft. / 18 m
Nested Height	3.3 ft. / 1 m	3.6 ft. / 1.1 m	5.5 ft. / 1.7 m	6.5 ft. / 2 m	12 ft. / 3.7 m	9.6 ft. / 2.9 m	12.8 ft. / 3.9 m
Payload Capacity	198 lbs. / 90 kg	287 lbs. / 130 kg	551 lbs. / 250 kg	551 lbs. / 250 kg	1,323 lbs. / 600 kg	551 lbs. / 250 kg	661 lbs. / 300 kg
Approx. Mast Weight	121 lbs. / 55 kg	211 lbs. / 96 kg	309 lbs. / 140 kg	618 lbs. / 280 kg	838 lbs. / 380 kg	1,103 lbs. / 500 kg	1,488 lbs. / 675 kg
Tube Diameter	7.1 in. / 18 cm	9.1 in. / 23 cm	9.1 in. / 23 cm	11.8 in. / 30 cm	14.2 in. / 36 cm	11.8 in. / 30 cm	14.2 in. / 36 cm
Number of Sections	2	5	5	6	4	7	6
Example	RecVeh FENNEK	RecVeh COBRA			Armoured Veh FOX Sensor Team		Armoured Veh KTRI Direction Finder

Other heights and payload capacities available.



TACTICAL MILITARY TRAILERS

The Family of GEROH Light and Medium-Weight Tactical Trailers is used by the German Army and other international forces to enhance mobility and logistics capabilities throughout the battlefield. These trailer systems are especially designed for missions involving extraordinary burdens in extreme and arduous terrain.

The GEROH development department is able to fulfil the special requirements of military customers. GEROH delivers high-capacity standard solutions as well as special customized trailer systems.

Years of experience in producing trailer systems as well as close cooperation with international forces and procurement agencies makes it possible to offer the best possible trailer solutions. High payloads by low basic weights, maximum cross-country mobility, long life-expectancy and low maintenance requirements are the characteristics of all GEROH Tactical Trailers.

EXAMPLES (OTHER TRAILER TYPES AVAILABLE)

Specifications	1.0 MT 2-wheeled	1.7 MT 2-wheeled	5 MT 4-wheeled
Transport Platform	8.9 ft. x 4.9 ft. / 2.7 m x 1.5 m	7.2 ft. x 6.2 ft. / 2.2 m x 1.9 m	x
Weight	2,976 lbs. / 1,350 kg	3,747 lbs. / 1,700 kg	13,228 lbs. / 6,000 kg
Air Transport	CH-53 / C-160	CH-53 / C-160	x
Example	Control Station UAV LUNA	Water Preparation System, ATV's, etc.	Power Generators

ESSENTIAL FEATURES

- **Maximum mobility – developed for the most difficult off-road terrain**
- **Maximum payloads**
- **Maximum mechanical load capacities**
- **“Off-the-shelf” solutions as well as special customized trailer solutions**
- **Designed for Power Generators, Water Preparation Systems, Communication Systems, Mast Systems, NBC-equipment, ATV's, Command Post Equipment**
- **Long life expectancy and minimal maintenance costs**
- **Scenario optimized and mission tested by German Army and other forces**



CONTACT YOUR SALES REPRESENTATIVE TODAY

The Will-Burt Company, located in Orrville, Ohio, is the world's premier manufacturer of telescoping mast and tower elevation solutions - the world's one stop shop offering virtually every payload elevation solution from one source - for military, fire, cellular broadcast, entertainment and other applications. Will-Burt also designs and manufactures military and other shelters made of all-composite materials that deliver higher performance at lower life cycle cost than metal or partial composite shelters. Intrusion and Access Control Solutions are offered under Will-Burt's LINX™ brand. Will-Burt is employee owned and has a strong commitment to the continuous improvement process set forth by its ISO 9001:2008 certified quality system.



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