

ENGLISH

# PRODUCT NEWS 2019

[www.asm-stage.de](http://www.asm-stage.de)

# ASM, SPECIALIST FOR STAGE TECHNOLOGY

Wherever loads need to be hoisted, the ASM product range covers the entire spectrum of applications for point hoists, scenery hoists and stage light hoists.

The company's philosophy of innovation is reflected in its numerous significant patents and its specialisation on providing customised system solutions for all stagecraft needs.

All ASM products are designed to stage procedures and norms and standards (DGUV V17 (formerly BGV C1) / SIL3 / DIN 56950). Above that, the hoists have a safety catch and safety standard that is not attainable elsewhere in the market.



Quality made in Germany	Use of steel band as carriers	Customer satisfaction	Quality and safety
Construction and assembly are consolidated at our head office in Wünnenberg-Haaren. The components we buy are, without exception, manufactured in Germany.	Beside chain and steel cables we exclusively use steel band as carriers. The smooth surface of steel bands ensures that drives using this technology operate at significantly less noise than conventional carriers.	ASM sees itself not only as a provider of drive technology solutions for even the most complex applications, but also as a provider of service, especially after sales service. Customer satisfaction governs everything we do.	Innovation, outstanding quality and safety as well as user friendliness are our highest priorities and our highly qualified staff and partners ensure we deliver on these.



## Projects





# PRODUCT NEWS 2019

## GENESIS WITH NEW FEATURES

The Genesis software, the hub of the acclaimed Genesis control system, offers new features:

- Live height indication on a second screen
- Integrated PLC function to allow external programming routines
- Further development of the SIL3 wireless technology for remote control

The Genesis is the modular, decentralised and powerful hoist system for the theatre, entertainment and professional rigging requests.



## TRACKPOINT - THE ARTIST'S FAVOURITE

Developed for live applications, the new ASM TRACKPOINT is fast, powerful and remarkably flexible. Its highly agile pulley, in combination with the steel band, is ideal for fast, swinging movements.

Even with a speed of up to 1.8m/s and a lifting capacity of up to 250kg, the hoist allows diagonal swing. It can be used either mounted in the grid or hanging on tracks or trusses.



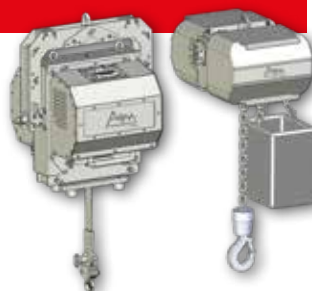
## 250 TH S AND OTTO 1000 S

Designed for fast action: the P 250 TH S steel band hoists and OttO 1000 S Chain Hoists deliver up to 1,2 m/s.

The two hoists, which complete the P 250 range and OttO 1000 range, have been newly developed in response market demand, providing two hoists with a higher speed at an economical price.

Both hoists, equipped with asynchronous motors, approach the performance values of high-end Servo hoists. These include DGUV V17 (formerly BGV C1), DIN 56950 standard and a safe height level of SIL3.

Offering both optimised price and higher performance, both hoists are already among our best sellers.



## SELF-CLIMBING TRUSS HOISTS

A self-contained hoist system that allows large loads to be moved over long spans, using proven ASM steel band technology. A perfect solution when you can't build in the hoist. The integral mounted gearbox and truss-integrated motor will lift both the load and its own weight with ease. Newly developed intelligent suspension elements prevent the truss tilting with unbalanced loads.



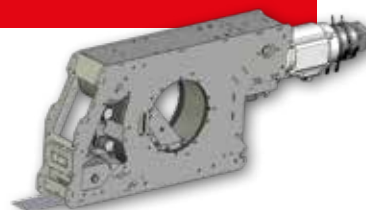
## THE HCWA SCENERY HOIST RANGE IS EXPANDING

### An updated design for the HCWA JR

The HCWA JR has been redesigned for more compact dimensions, and offers extra improvements for mounting scenery hoists. The new HCWA Junior 400/600 (drive with chain) is available with up to 0.8m/s for up to 1000kg.

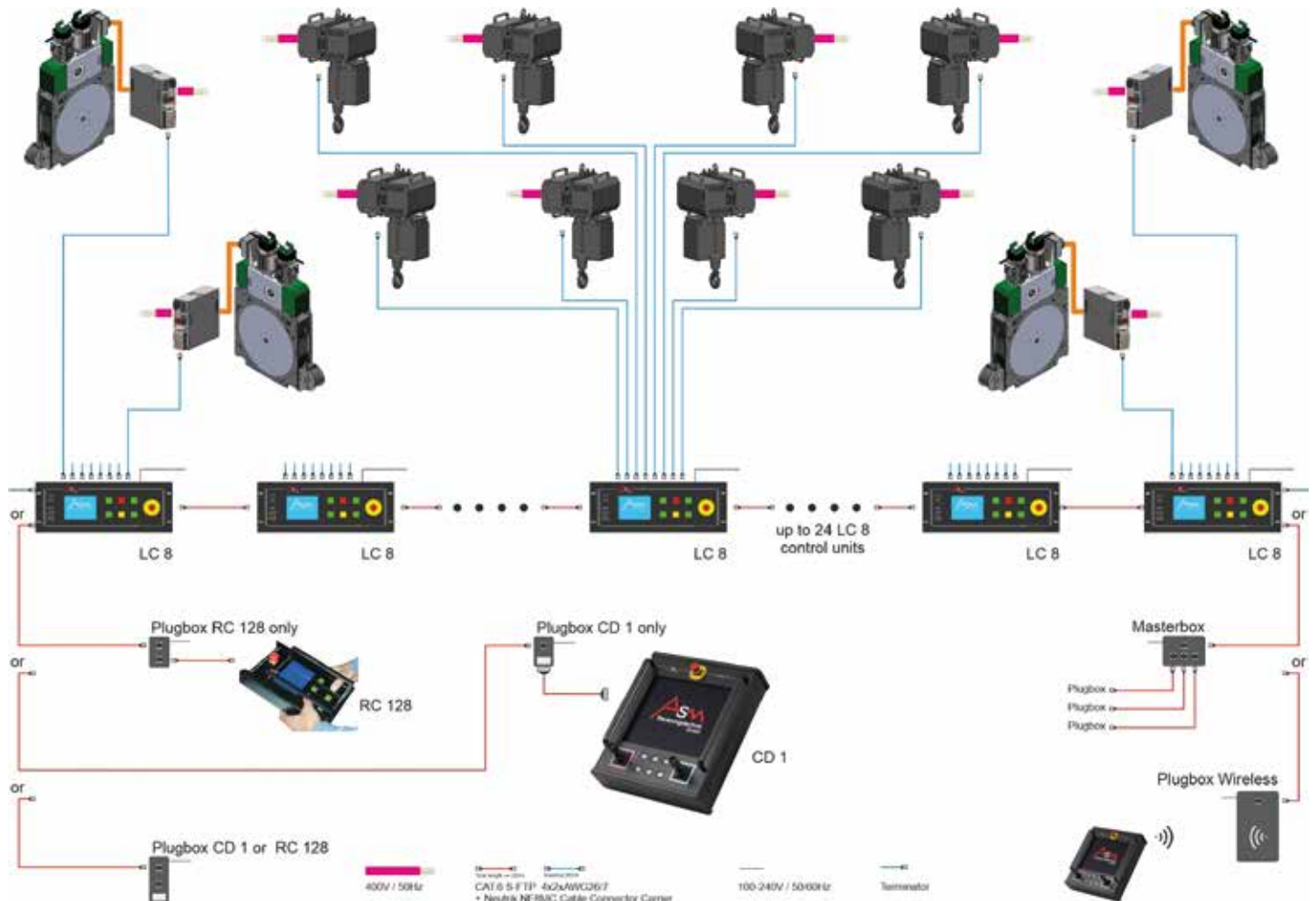
### Expanding the HCWA TM range

By popular request, ASM has extended the HCWA TM scenery hoist range at both ends. The new HCWA TM 600/700 (drive with steel band) is now available in an 8kW version, and delivers up to 1.8m/s with a load capacity of up to 650kg, as requested by smaller theatres and venues. The HCWA TM HD (drive with chain) fulfills requests from designers using heavy loads, and can lift up to 2000kg at a max speed of 0.3m/s.



# ASM PRODUCT OVERVIEW

## ASM GENESIS CONTROL



The GENESIS is the modular, decentralised and powerful control system for the theatre, entertainment and professional rigging requests. The control system is SIL3 certified and meets the highest safety standards in the world. The flexible modular design allows any size of control system from one to multiple hoists, and permits later extensions at any time. As all intelligence is decentralised over the whole system, central servers aren't needed. Its intuitive operation sets new standards in the market – and hundreds of successful installations worldwide over the past 15 years are proof of the concept.



# ASM HCWA SCENERY HOIST

## Performing automated theatre scenery hoist

The HCWA scenery hoist is 50 % lighter than traditional hoists, reducing forces on the stage structures. This gives rise to various installation possibilities and options and creates space for more hoists to be positioned. With its 198 mm width, the HCWA is the narrowest of its kind and a perfect solution for replacing manual hand counterweight systems.

## Flexible Installation Options

The HCWA scenery hoist has not only proven to be a magnificent space saver on fly loft installations, but it also allows for flexible hanging on head pulley structures or on wall installations.

## A quick and precise travel and stop

With speeds of up to 2m/sec the HCWA scenery hoist move stage elements with millimetre precision.

## Security is ASM's development policy

As the scenery hoist is driven by two independent motors (applies to HCWA Twin master) the reduction gear operates on two channels and thus offers maximum safety. The scenery hoists are designed to stage procedures and norms and standards (DGUV V17 (formerly BGV C1) / SIL3 / DIN 56950). Above that, the HCWA scenery hoist have a safety catch and safety standard that is not attainable elsewhere in the market.

## Silent drive with heavily loaded ropes

Depending on design, each winch can move up to 1000 kg with 6 – 12 installed ropes at approximate noise levels of only 45dB(A)1m. Travel of up to 34 meters is possible and realistic. The new HCWA TM HD can even go up to a load of 2000 kg.

## Individual Scope

The HCWA scenery hoist series is designed to be adaptable to virtually any structure, position and location. This allows designers the freedom to meet client and country specific requirements.

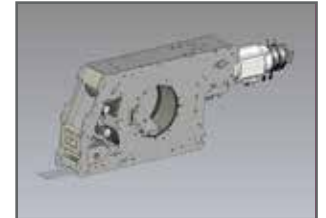
ASM HCWA TM 800 / 1000



ASM HCWA TM 600 / 700



ASM HCWA JR 400 / 600



HCWA SCENERY HOIST	TM 600/700	TM 800/1000	TM HD	JR 400	JR 600
Regulation:	DGUV V17 (formerly BGV C1)				
Norm:	DIN 56950				
Safety standard:	up to SIL3				
Speed:	up to 1,8 m/s	up to 2,0 m/s	0,3 m/s	up to 0,8 m/s	up to 0,8 m/s
Load capacity:	up to 650 kg	up to 1.000 kg	2.000 kg	650 kg	650 kg
Carrier:	Rope	Rope	Rope	Rope	Rope
Number ropes*:	7*	7*	7*	6*	7*
Overall with:	198 mm	198 mm	250 mm	198 mm	198 mm
Power:	8,0 kW	15,0 - 22,0 kW	11,0 kW	up to 5,5 kW	up to 5,5 kW

\*higher number of ropes on request

The ASM product overview do not show the complete ASM range. ASM is still making trafilts, chandeliers hoists, microphone hoists, single line hoists and other equipment on request. Do not hesitate to contact our partners or the ASM team for more information.

## ASM CHAIN HOIST

The ASM chain hoists ranges (OttO, UNO and RIGMASTER) are specially designed for use on stages, event halls and studios. They are characterized by silent, smooth running and their powerful parameters. All ASM chain hoists are equipped with gearboxes both designed and made by ASM.

### Basic models OttO 500 / 1000 / UNO 500 / Rigmaster 2000

- As standard, equipped with self-locking gears with an extra safety catch inside
- No brakes required – less maintenance
- Self-locking gears and safety catch are TÜV-certified (German technical control institution)
- Smooth deceleration of the load, even in the event of a power failure
- Various configurations for individual requests
- Control possibilities include Asynchronous 3 phase, 24V or full synchronous ASM Genesis control

### High performance models OttO 1000 S / HS / UNO 500 S / HS

- High speed
- Equipped with silent theatre double brakes
- Highest available performance for scenic applications
- Full synchronous group drive with ASM Genesis control

### Rigmaster 2000

- Designed for moving large and heavy loads such as video cubes in arenas
- High safety standards for statically excavated building structures
- Dynamic self-locking for gentle braking, even in the event of a power failure
- Smooth deceleration of the load, even in an emergency stop situation

CHAIN HOIST	OttO 500	OttO 1000 / S / HS	UNO 500 / S / HS	Rigmaster 2000
Regulation:	DGUV V17 (formerly BGV C1)			
Norm:	DIN 56950			
Safety standard:	up to SIL3			
Speed:	4 m/min	up to 18 m/min	up to 36 m/min	4 m/min
Load capacity:	500 kg	1.000 kg	500 kg	2.000 kg
Carrier:	Chain 7 x 21	Chain 10 x 28	Chain 7 x 21	Chain 13 x 36

ASM OttO 500



ASM OttO 1000 / S / HS



ASM UNO 500 / S / HS



ASM RIGMASTER 2000



## ASM STEEL BAND HOIST (Multi functional)

### ASM LIGHTING & MEDIA HOIST (LMH)

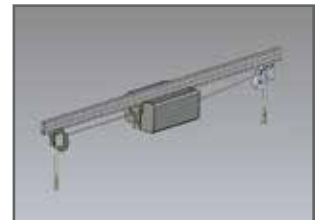
The LMH Series is a variable system for constructing light carriers and media gondolas. The individual components can be combined into systems with two or four bands outfeeds, and load capacities of 250 kg, 300 kg and 500 kg. They can be installed as a lifting device or a self-climber. The LMH Train is manufactured in many special variants, to suit individual customer requirements.

### ASM SELF-CLIMBING TRUSS HOIST (SCTH)

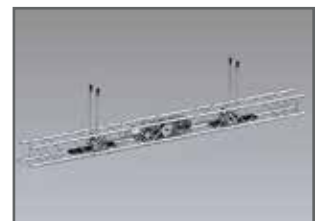
Integrated in the crossbeam, its drive climbs with the load. The light carrier moves large loads over long lengths using proven ASM steel band technology. The onboard mounted gearbox and motor integrated in the truss will easily lift the load and its own weight. Newly developed intelligent suspension elements prevent the truss of tilting with unbalanced or asymmetrical loads.

STEEL BAND HOIST	LMH	SCTH
Regulation:	DGUV V17 (formerly BGV C1)	
Norm:	DIN 56950	
Safety standard:	up to SIL3	
Speed:	up to 1,2 m/s	up to 0,2 m/s
Load capacity:	up to 500 kg	up to 1.500 kg
Carrier:	Steel Band , 30 x 0,4, 30 x 0,5, 45 x 0,4 mm	Steel Band 30 x 0,5
Number steel bands:	up to 4	up to 8

ASM LMH



ASM SCTH



# ASM BAND HOIST

ASM was the first company to introduce hoists with steel bands and continues to be the world leader in innovation in this field. Steel band hoists stand for silent and smooth running, accurate positioning, high speed and wear-free use. ASM band hoist also allows diagonal pull.

**Basic models: P 250 TH, Junior 250 & 500, Trackpoint:**

- Equipped as standard with self-locking gears, with an extra safety catch inside
- No brakes – less maintenance
- Smooth deceleration of the load even in the event of a power failure
- Various configurations available for individual applications
- Control possibilities include Asynchronous 3 phase, 24V or full synchronous ASM Genesis control

**High performance models P 250 S / HS, Trackpoint**

- High speed with exact positioning
- Equipped with silent theatre double brakes
- Highest available performance for scenic applications
- Full synchronous group drive with ASM Genesis control

BAND HOIST	TH	TH S / HS	Junior (JR)	TRACKPOINT
Regulation:	DGUV V17 (formerly BGV C1)			
Norm:	DIN 56950			
Safety standard:	up to SIL3			
Speed:	0,2 m/s	up to 1,2 m/s	0,2 m/s	up to 1,8 m/s
Load capacity:	250 kg	250 kg	up to 500 kg	up to 250 kg
Carrier Steel Band:	45 x 0,4 mm	45 x 0,4 mm	30 x 0,4 mm 45 x 0,4 mm	30 x 0,6 mm
Number bands:	1	1	2	1

ASM P 250 TH / S / HS



ASM JR250/500



ASM TRACKPOINT



# ASM BAND SCENERY HOIST

- Silent and smooth running due to steel band,
- Steel band is wear-free.
- Diagonal pull allowed
- High speed and accurate positioning
- Fast and simple installation of pre-assembled components
- Various extension opportunities for individual applications

	ASM SPIDER
Regulation:	DGUV V17
Norm:	DIN 56950
Safety standard:	up to SIL3
Speed:	up to 1,8 m/s
Load capacity:	up to 650 kg
Carrier:	Steel Band 30 mm
Number bands:	up to 4

ASM SPIDER



# ASM RULO

RULOs are the ASM line shaft hoists designed to lift equipment with only one powerful drive over several suspension element drums.

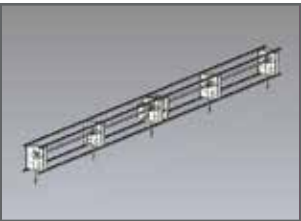
- Chain RULOs are designed for extremely heavy loads
- Band RULOs are super-silent, extremely precise and gracious

RULO	CHAIN RULO	BAND RULO
Regulation:	DGUV V17 (formerly BGV C1)	
Norm:	DIN 56950	
Safety standard:	up to SIL3	
Speed:	up to 0,3 m/s	up to 1,2 m/s
Load capacity:	up to 12.000 kg	up to 1.500 kg
Carrier:	Chain	Steel Band, 30 x 0,4 / 30 x 0,5 mm
Number bands:	on request	on request

ASM CHAIN RULO



ASM STEEL BAND RULO





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