STAGEMAKER®

CYBERHOIST

Raising the standards of performance

VERLINDE
LIFTING EQUIPMENT

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STAGEMAKER® "F" CYBERHOIST

A revolution in rigging and motion control

VERLINDE STAGEMAKER® products meet today's demanding marketing requirements and lead the way to the future.

STAGEMAKER® hoists are acknowledged world wide as the future standard for theatrical appliances. We represent state of the art technology, a higher standard of safety, reliability -and product availability in the widest range of speeds, single fall capacities and controllers.

Innovation always has been one of our strong suits. It is no coincidence that Verlinde, who did introduce the first truly intelligent hoist; **STAGEMAKER® "F",** to the market at PLASA 2001. This product has amazing characteristics and advantages, which definitely open the creativity and inspiration door to solve existing lighting movement problems. **STAGEMAKER®** advancing the future.

Through co-operative efforts with lighting specialists, this revolutionary hoist has all the features the market desires: accurate positioning, true speed control, no truss twisting at start up and more. One doesn't require many words to explain the immense advantage of controlled interaction between lighting and rigging equipment, nor to speak about tremendous timesaving during the erection of a show, due to the simplicity of the installation.

Above all, extremely accurate and smooth variable speed control from real 0 to 60 ft/min, permits self programming with extra ordinary precision. (+/- 0.1 mm over the full chain length!) and, when desired, an incredible slow speed of 0.1 mm/sec. Automatic speed adjustment can be effected, if travel distance or travel time have priority.

This system works because the closed loop flux-vector inverter and hoist-control software have been merged into in a sublimely controlled hoisting motor, that provides full torque from real zero to maximum speed and remains quiet at any time. **STAGEMAKER "F"** system permits variable acceleration and deceleration over the full speed range as well as dynamic breaking. The mechanical brake closes only after reaching a true and confirmed zero speed!.

STAGEMAKER cyberhoists, each with their own ID, are designed and configured to work as stand-alone or in a Ethernet network. Once connected to the network there is interaction between other plugged-in members. However there is one major difference between a traditional network where a server is required and **STAGEMAKER® "F".** No matter how many hoists are installed, single units or in large volumes, **STAGEMAKER** requires no central processing unit, while retaining all advantages presented by server use.

A standard laptop is sufficient to program pre-sets for a single or group of hoists. For operating purposes a handheld terminal will be optional available. Programming structures are kept easy as possible and are identical with those common for lighting desks. Cues are automatically stored in the memory of the hoists involved.
The number of hoists does not limit the system configuration, adds-on remains possible at any time, it's just a matter of additional power- and Ethernet cables.
Interaction with DMX or other Ethernet controlled equipment, like moving lamps, winches, special effects, fly-booms, point loads etc. are coming now to reality.

STAGEMAKER® "F " CYBERHOIST STANDARD FEATURES

The standard configuration of each **STAGEMAKER™ "F"** includes integrated features as:

- Microprocessor controlled hoist movements
- Digital controlled flux-vector inverter
- Absolute encoder for positioning and incremental encoder for inverter feedback
- Electronic load sensor with active load display on terminal (optional)
- Flow controlled forced ventilation
- ID related automatic download and backup facility
- Ethernet communication through industrialised connectors
- CE power plug
- Duty factor 60%
- Modular concept, easy exchange of CPU or inverter

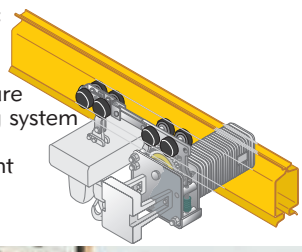
Safety is secured by:

- A double DC break system
- Separate geared over-travel limits and emergency limits,
- Dynamic overload device and slack chain protection (optional)
- Separate encoders for inverter feedback and hoist positioning
- Autonomous hard wired emergency circuit CE security level 4 (incorporated in power distribution set)
- Constant temperature control at 4 points
- Safety coefficient up to 10

As such it complies with applicable International standards for safe mobile operations above public (DIN 56925).

Options (in process):

- 3D software presentation
- Effect engine software
- Cyberhoist travelling system with varaible speed electric trolley in light profile.



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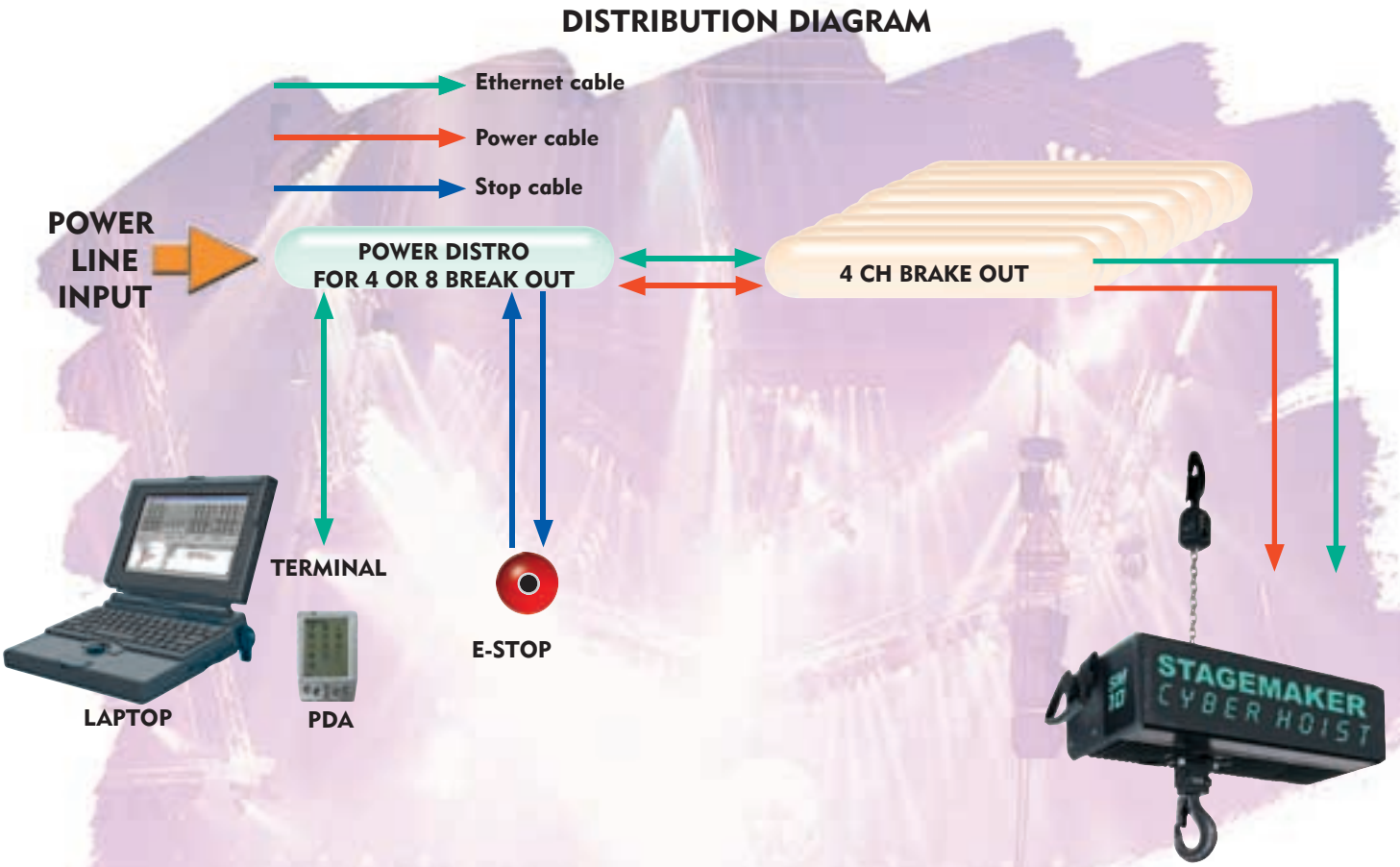
CYBERHOIST DIAGRAM

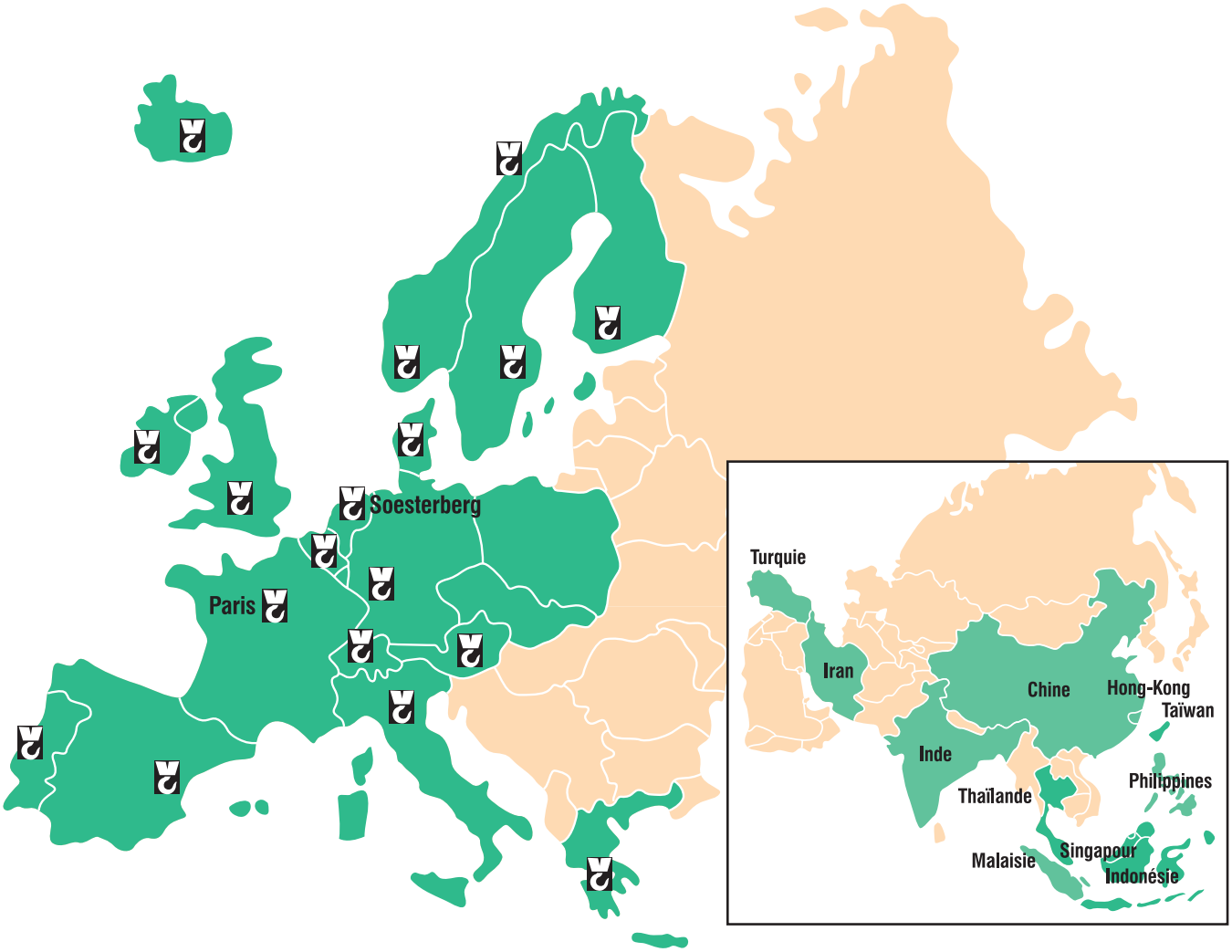


STAGEMAKER® "F " CYBERHOIST RANGE

Capacity	Type	Speed		Falls	Chain	Power	In	Classification
(kg)	E	m/min	ft/min			kW	A	
250	SM10 216 M2-F	0 20	0 64	1	6,8x17,8	1.75	2.3	BGV-C1
500	SM10 516 M2-F	0 20	0 64	1	6,8x17,8	1.75	2.3	BGV-C1
1000	SM10 1008 M2-F	0 10	0 32	1	6,8x17,8	1.75	2.3	Standard
1000	SM10 1008 M2-F	0 5	0 16	2	6,8x17,8	1.75	2.3	BGV-C1
2000	SM10 2004 M2-F	0 5	0 16	2	6,8x17,8	1.75	2.3	Standard

400Vac/60Hz values

STAGEMAKER® "F" CYBERHOIST
Local distributor



VERLINDE is :

- The leading French constructor and exporter of hoisting and mechanical handling equipment.
- A group employing 5,000 staff.
- A large range hoisting equipment from 125 to 80.000 kg
- ISO 9001 quality control certified.
- Easily-accessible consultants in over 80 countries.

AFAQ ISO 9001
AFAQ N°1995/3896

In France

9 Sales offices, 14 after sale service centres and a national distribution network.

World-wide

Branches in Germany, Holland, Belgium, Italy and distributors in Germany, Argentina, Austria, Brazil, Chilli, Ireland, United Kingdom, Sweden, Norway, Denmark, China, Thailand, Indonesia, Malaysia, United States etc.

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