GIS – CH ELECTRIC CHAIN HOIST: SIMPLE, RELIABLE, SECURE.
GIS – YOUR GENERAL CONTRACTING PARTNER FOR EFFICIENT MATERIAL FLOW.

- Complete range of market services for off-floor goods handling
- A wealth of know-how – from planning through to installation
- We manufacture quality products – «Made in Switzerland»
- Our approach is based on reliability and service

More features of the GIS company:

- Guaranteed innovation because we have our own development department
- Certified quality (ISO 9001)
- Our worldwide network of dealers keeps us extremely close to the market

... and a thousand and one applications!

Your benefits:

- solutions that match your particular situation
- maximum flexibility – another benefit of the wide GIS range
- cost-effective, reliable goods handling
- business relationships based on partnership
Lifting technology

GIS electric chain hoists (up to 5000 kg)
- low wear, reliable, easy to maintain
- application: stationary, movable on I-beams or combined with GIS crane system

Crane technology

GISKB crane system (up to 2000 kg)
- modular concept
- single and double bridge suspended crane for all-round goods transportation
- monorail with bends and switches for linebound transportation
- lightweight design

GIS travelling cranes (up to 5000 kg)
- designed to customer specifications
- conventional design
- especially suitable for larger spans

GIS slewing pillar and wall cranes (up to 1000 kg)
- for use when ceilings have insufficient load-bearing capacity
- an ideal addition to your suspended crane
- quick to plan, simple, easy to handle

Vacuum lifting technology

Gentle lifting with GIS vacuum equipment (up to 500 kg)
- for all types of surfaces and a huge variety of products
- can be combined with electric chain hoists/wire rope hoists

Your benefits:
- perfected quality products
- tested and proven thousands of times over
- simple design and installation
- at any time extendable
GIS – CH ELECTRIC CHAIN HOIST
UP TO 5000 KG

- COMPACT DESIGN
- ROBUST CONSTRUCTION
- EASE OF MAINTENANCE
- AVAILABILITY ASSURED
- ADVANCED TECHNOLOGY
- SWISS QUALITY
- LIFTING CAPACITY UP TO 5000 KG
- PROTECTION CLASS IP 55 (OPTION IP 65)

WORLD’S FIRST IN SAFETY

- Double slip clutch (best overload protection ever). Authority’s safety test passed superbly! Five times more secure than the regulations require!
- Highest safety with brake positioned after the slip clutch
- End of chain is fixed to the hoist body
- Standard geared limit switch: chain length up to 220 m
- Made for industrial use: body and covers completely built in aluminum
- Jamming of the chain excluded due to two part plastic chain guide and external chain guide plate

WORLD’S FIRST IN SERVICE AND HANDLING

- Easy adjustment of the slipping clutch
- No special tools or electronic devices required
- Maintenance free brake system
- Chain guide removable without disassembly of the hoist
- Easy conversion from 1 to 2 fall (double load capacity)
- Ergonomic 2 and 4 button control pendant with support wire
- Silent working due to helical gears
- Standard low voltage control (42 V)
GIS – CH ELECTRIC CHAIN HOIST
UP TO 5000 KG

**Specification**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (kg)</th>
<th>Motor Power (kW)</th>
<th>Lift Height (m)</th>
<th>No. of Chain Falls</th>
<th>Weight (kg)</th>
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**Dimensions**

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**Low voltage 42 volts control with emergency stop**
**Upper and lower electrical gearbox limit switch**
**Wear resistant overload slip clutch; with steel bushing**
**Heat treated gears in oil bath**
**Wear resistant brake**
**Special load chain to DIN 5684, cadmium plated, grade 8**
**Load hook to DIN 15401**
**Motor protection: IP 55 to DIN 40050**
**Motor insulation: F**

**Options:**
- Chain / control cable extended
- Suspension with eyebolt or hook
- Suspension part for travel trolleys
- Chain / control cable extended (lifts up to 120 m)
- Suspension with eyebolt or hook
Brake
- Maximum safety (construction: brake after slipping clutch)
- New advanced brake design
- Unique availability
- Maintenance free

Chain wheel
- Made of hardened steel
- With additional chain pockets (4mm): hence quiet running and improved running properties
- With double bearing construction

Geared limit switch (standard)
- Simple adjustment
- Exact positioning
- Lifting heights up to 220 m
- Accuracy for repetition assured

Transmission
- Helical-toothed first and second gear step for quiet running
- Permanent lubrication for wear resistant operation

Contactor control system
- Simple technology (no electronics susceptible to interference)
- Reliable technique
- Emergency stop as a standard
- 42V control system allowing highest safety of operation

Hoisting chain
- Calibrated especially for GIS
- Zinc plated
- Surface-hardened
- Quality class DAT (8SS) to FEM 9.671
Chain guidance
- 2-part construction to optimize maintenance
- Reinforced plastic material highly wear resistant
- Safe operation jamming excluded

Slipping clutch
- Simple and precise adjustment
- Maintenance free and highly resistant to wear
- Ease of servicing thanks to comfortable access

Control switch
- With built-in support wire as a standard
- 2-buttons: design especially ergonomic
- Emergency stop as a standard
- Protection: IP 65 to DIN 40050
- Optional: with integrated working hours counter

Motor
- Design for tough working conditions
- Normal, fast and super fast speed models available
- With single or dual speed
- Option: with temperature control system
- Option: with insulation for the tropics
- Special voltages available
- 1-phase models as a standard

Housing
- Cast aluminium housing with maximum solidity (no plastic material)
- For extreme working conditions: casted cooling gills
- Easy transformation from 1- fall to 2-falls operation: no need of dismantling
CREATION OF ADDED VALUE WITH PROFESSIONAL MATERIAL HANDLING

Low headroom with GIS - CH electric chain hoist

- Solution for especially low rooms. For working areas in all kinds of industries
- Reduced headroom over clever chain guidance
- Hook position individually adjustable by geared limit switch
- Step less speed control with frequency inverter available (optional)
- Hook distance variable by modular lengthening device
- Load capacity up to 4000 kg
- Optional with chain oiling system

Synchronic lifting technology with GIS - CH electric chain hoist

- Solution for optimized handling of exceptional length and bulky loads
- Precise parallel run of two or four load hooks guaranteed
- Load capacity with 2 hooks, up to 3200 kg
- Hook position (height) individually adjustable by geared limit switch
- Step less speed control with frequency inverter available (optional)
- Hook distance following needs and further on adjustable
- Modular development for use in low rooms
- Practicable in fully automatic installations with external controls
- Optional with chain oiling system
REALIZE YOUR WISHES BY DIRECT HANDCONTROLS

Flexible hand guide control «Chain Handy» with GIS - CH electric chain hoist

- Product positioning through toggle switch in comfortable and efficient way
- Allows a fast and reliable movement of different goods
- Standard left and right hand operation
- Safe lifting up to 250 kg capacity
- Step less speed control with frequency inverter available (optional)

High precise rigid hand guide control «Telescopic Handy» with GIS - CH electric chain hoist

- Exact and accurate positioning through toggle switch and rigid telescopic guide system
- Allows the controlled and perfected handling of different (incl. liquids) transport goods
- Standard left and right hand operation
- Safe lifting up to 250 kg capacity
- Step less speed control with frequency inverter available (optional)
ELECTRIC CHAIN HOIST – FOR THE ENTERTAINMENT INDUSTRY

Climbing and lifting with GIS - CH electric chain hoist
- Individually available with direct or standard control
- Prepared for externally powered controls
- Available with standard geared limit switch
- Available with second brake and load control system
- Fulfills requirements of BGV-D8, BGV-D8 Plus and BGV-C1

ECONOMIC EXPLOSION PROOF SOLUTION

ATEX conformity with GIS - CH electric chain hoist
- Solution with existent industrial resources
- The entry of gas is avoided through an overpressure in the housing
- Maximum safety guaranteed: At a lost of pressure in the housing the power will be cut immediately (electrically connected over the emergency stop)

Dust execution
Ex II 3D IP 65 T130°C
- Equipment group II
- Equipment category 3
- Zone 22 (D)
- Temperature class = less 130°C
  motor with Klixon

Gas execution
Ex II 3D IP 65 T130°C and Ex II 3G EEx II nZ T3
- Equipment group II
- Equipment category 3
- Zone 2 (G) 22 (D)
- Temperature class = T3
- With overpressure surveillance

IN HARD AMBIENT CONDITIONS ....WE FEEL GOOD.

Specific research guarantees corrosion resistance with GIS - CH electric chain hoist
- Specially for applications in aggressive atmospheres (tested in defined acids and lye’s and other specific liquids and substances)
- All contact affected parts manufactured in corrosion resistant material (chain, equipment material, hook and screws)
- High reliability with standard IP 65 protection class
- Lifting capacity up to 1000 kg
MANUAL AND MOTORIZED TROLLEYS

MANUAL TROLLEY GHF 500 K
Details see under
- 9248.9251.5

MANUAL TROLLEYS EHF 50 / 150
EHF 300 / 500
Details see under
- EHF 50 9248.9200.5
- EHF 150 9248.9202.5
- EHF 300 / 500 9248.9204.5

MOTORIZED TROLLEYS EMFE 50 / 150
EMFE 300 / 500
Details see under
- EMFE 50 9248.9217.5
- EMFE 150 9248.9218.5
- EMFE 300 9248.9219.5
- EMFE 500 9248.9220.5

MOTORIZED TROLLEYS WITH FREQUENCY DRIVE
Details see under
- EMFE 50 FU 9248.9256.5
- EMFE 150 FU 9248.9257.5
- EMFE 300 FU 9248.9258.5
- EMFE 500 FU 9248.9259.5
DIMENSIONS MANUAL AND MOTORIZED TROLLEYS

Specification

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<th>M4 (1Am)</th>
<th>M5 (2m)</th>
<th>M6 (3m)</th>
<th>M7 (4m)</th>
<th>Travelling speed</th>
<th>Motor power (M3)</th>
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Dimensions

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<td>637</td>
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</tr>
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</table>

Options: other flange widths
electric travel trolley with brake

Standard voltages: 3Ph 230V, 50Hz; 3Ph 400V, 50Hz
Special voltages: on request

Selection of travel trolleys: GCH 250/500, EHF/EMFE 50, GCH 1600/2000, EHF/EMFE 300

Options: GCH 250/500, EHF/EMFE 50, GCH 1600/2000, EHF/EMFE 300

www.gis-ag.ch
Lifting technology
Crane technology
Vacuum lifting technology

GIS customer expectations
Check of requirements
Situation analysis
Standard specifications
Objectives

GIS concept
Goods handling concept
Advice on solutions
Concept
Budgeting/offer

GIS implementation
Implementation
Planning
Delivery
Commissioning/Installation

Productive solutions
Optimised costs
After-sales service
Long-term guarantee

You will find our representatives in more than 50 countries and detailed technical documentation at

www.gis-ag.ch

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