

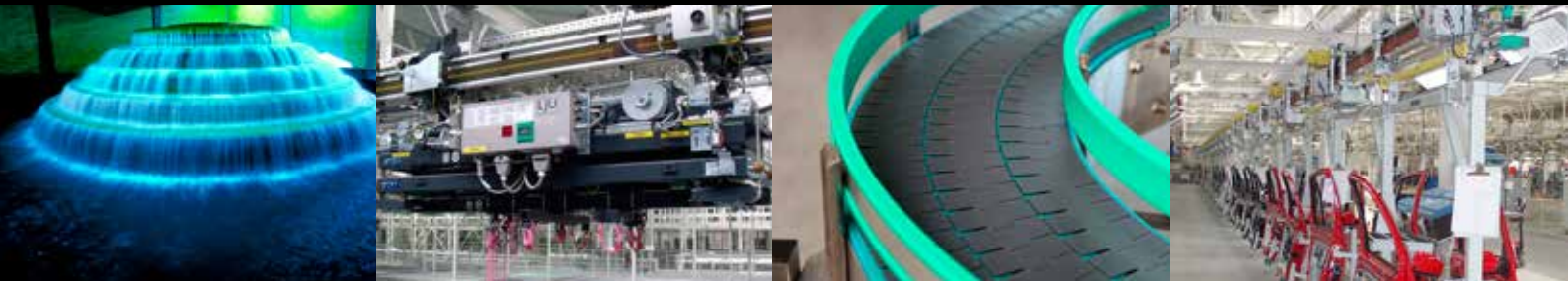
BAUER & LJU Two Pioneers in the Monorail System Industry



 **Bauer**[®]
Gear Motor
An Altra Industrial Motion Company


A Member of


GRENZBACH



Monorail Geared Motors

Flexible and robust for large and small loads

We are one of the leading manufacturers of intelligent drive technology for more than 85 years. Innovative products, modern processes and responsible employees realise this with the target of conserving resources and the environment together with efficient energy use over our whole field of activity. The success of our efforts assumes that we know and master our customers applications and the requirements on drive technology. We do this perfectly - from engineering, design and calculation through procurement, production and logistic to special application knowledge in the most important branch sectors.

The successful electric overhead monorail drives based on the Bauer 2000 gear motor range are an example of this long-standing expertise in application Know-How and dedicated geared motor solutions with the following features:

What we offer...	Your benefit...
Tried and tested technology with several thousand drives in the field	Reliability
Flexible assembly possibility	Simple engineering
Coupling lever always on the front side	Simple engineering, easy to reach
Gearboxes designed for efficiency	Energy saving
Industry standard shaft connection	Flexible choice of wheel
Long service intervals	High productivity
Finely graduated brake torques	High availability
Asynchronous and permanent magnet technology	High flexibility in engineering reduces stocking costs and increases the working capital
Permanent magnet synchronous motors	Energy saving, high power density, weight reduction
Customer specific modifications	Flexibility
Drives can be reversed without disengaging the clutch	Reduced downtime





Reduction of operating costs through ... efficiency optimised gearbox design



Type	Allowable torque [Nm]	Allowable wheel load at power application *ML [N]	Gear ratios	Speed (based on wheel [m/min])	Wheel diameter [mm]	Output shaft [mm]
BM09	30 - 100	4400	11,34 - 53,85	10 - 100	125	20 x 35
BM09X		6500		12,8 - 128	160	25 x 35
BM10	140 - 160	8000	11,68 - 58,18	12 - 128	160	25 x 35
BM10X		10000		16 - 160	200	25 x 35
BM20	182 - 220	10000	7,66 - 74,76	9 - 69	160	30 x 35
BM20X		12000		12 - 87	200	30 x 35
BM30	260 - 350	12000	7,91 - 71,09	13 - 186	200	35 x 49
BM30X		15000		16 - 233	250	35 x 49
BM40	600 - 680	20000	11,17 - 104	11 - 162	250	55 x 110
BM40X		25000		13 - 194	300	55 x 110

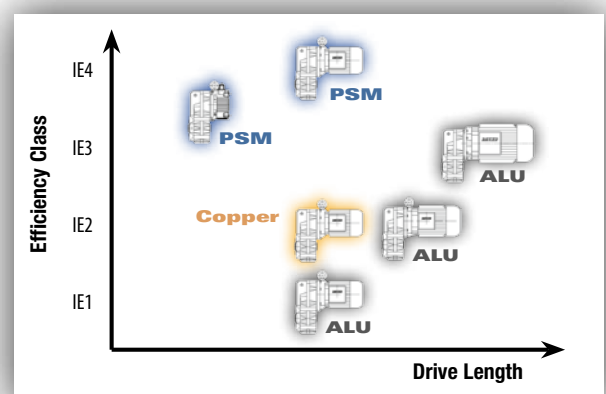
*ML: The position of the power application point „centre of wheel“ can be seen on the applicable dimensional drawings. Significantly higher gear ratios are optional.

...use of energy efficient motors

P _N [kW]	IE1*	IE2*	IE3*	IE3*	IE4*
0,55	DSE08MA4	DHE08LA4			SU08MA4
0,75	DSE08LA4	DHE08XA4	DPE09LA4		S08MA4
1,1	DSE09SA4	DHE09LA4	DPE09XA4		S08LA4
1,5	DSE09LA4	DHE09XA4	DPE09XA4C	S08LA4	S09SA4
2,2	DSE09XA4	DHE09XA4C	DPE11MA4	S09SA4	S09XA4
3	DSE11SA4	DHE11MA4	DPE11LA4	S09XA4	S11SA6
4	DSE11MA4	DHE11LA4	DPE11LA4C	S11SA6	S11MA6
5,5	DSE11LA4	DHE11LA4C	DPE13LA4	S11MA6	S11LA6

*with 1500 1/min

Through the flexible implementation of three available rotor systems - aluminium, copper, and permanent magnet - highly efficient drive solutions in efficiency classes IE1 to IE4 can be attained without additional space requirements.





LJU Control System Series 8

Plug&Drive - the future of on board control systems



ST-891
LJU
Els-Control

Umrichtersteuerungen Serie 8

mit vorinstallierten Motorkennlinien
für Bauer-Motoren

Plug&Drive

Motor an ST-8xx anschließen

↓

PreSettings in ST-8xx aktivieren

↓

Motor (Fahrwagen) In Betrieb nehmen





What we offer...	Your benefit...
Plug&Drive	<ul style="list-style-type: none"> • Easy commissioning due to lack of setting of motor parameters • No pre-setting of the basic paramters needed
Load free commissioning of conveyer vehicle	<ul style="list-style-type: none"> • Flexibility
Optimal selection of the motor parameters	<ul style="list-style-type: none"> • Safety during commissioning
Pre-Settings for all Bauer Motors	<ul style="list-style-type: none"> • Quicker commissioning
Commissioning with Pre-Settings	<ul style="list-style-type: none"> • Simple entry of the motor key • Safe activating of the Pre-Settings • Quick and safe use of the motor
Application specific characteristics	<ul style="list-style-type: none"> • No time consuming inputting of motor parameters • Time saving • Commissioning with "less" specialised users • No fully loaded vehicle needed for commissioning



PARTNERSHIP AT EYE LEVEL



REFERENCES

PIONEERS

FLEXIBILITY

OPEN SYSTEM

TRADITION

PLUG&DRIVE

WORLDWIDE PARTNER NETWORK

APPLICATION EXPERTISE



NORTH AND SOUTH AMERICA

- Bauer MLD - Sladeviev - CA
- Bauer Gear Motor LLC. - Somerset, USA

EUROPE

- Eegholm a/s - Sønderborg - DK
- Elektrotechnik & Automation Ulrich Brodbeck - Aichtal - DE
- Klebs & Hartmann GmbH & Co. KG - Ludwigshafen - DE
- Scheib Elektrotechnik GmbH - Düsseldorf - DE
- Steinlen Elektromaschinenbau GmbH - Burgwedel - DE
- Bauer Gearmotor AS - Skedsmokorset - N
- ESKO Elektromaschinenbau GmbH - Fohnsdorf - AT
- Bauer Gearmotor Sverige AB - Gustavsfors - S
- Meier & Co AG - Niedergösgen - CH
- TEM - Igualada - ES

MEA

- International Combustion India Ltd. - Aurangabad - IND
- BAUER a Division of Hudaco - Germiston - ZA

RUSSIA

- Altra Industrial Motion OOO - Moskau - RU

CHINA

- Altra Industrial Motion (Shenzhen) Co., Ltd - Beijing - CN

PRODUCTION

- Bauer Gear Motor GmbH - Esslingen - DE
- Bauer Gear Motor Slovakia s.r.o. - Zlaté Moravce - SK

NORTH AND SOUTH AMERICA

- Grenzbach North America - Newnan - USA
- North America Service Rho Industries Inc. - Dundas, CA
- Grenzbach do Brasil Ltda.- São José dos Campos - BR

EUROPE

- LJU Service - Potsdam - DE
- Tiltech n.v. - Dendermonde - BE
- Sical Automation S.L. - Madrid - ES
- LJU Czech Republic - Mladá Boleslav - CZ
- LJU-PROTEK - Yenisehir/Izmir - TR

MEA

- Grenzbach Machinery (India) Pvt. Ltd. - Poona - IND

APAC

- ECS Industries PTY LTD - Donvale - AU
- Shinkang Intech Co. Ltd. - Kyungki-Do - KR

CHINA

- Grenzbach Machinery (Shanghai) Lt d. - Shanghai - CN
- OJ Automation (Shanghai) Co., Ltd. - Shanghai - CN

PRODUCTION

- LJU Automatisierungstechnik GmbH - Potsdam - DE

Couplings

Ameridrives Couplings

Mill Spindles, Ameriflex, Ameridisc
Erie, PA - USA
1-814-480-5000

Gear Couplings
San Marcos, TX - USA
1-800-458-0887

Bibby Turboflex

Disc, Gear, Grid Couplings, Overload Clutches
Dewsbury, England
+44 (0) 1924 460801
Boksburg, South Africa
+27 11 918 4270

TB Wood's

Elastomeric Couplings
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7

General Purpose / Disc Couplings
San Marcos, TX - USA
1-888-449-9439

Ameridrives Power Transmission

Universal Joints, Drive Shafts, Mill Gear Couplings
Green Bay, WI - USA
1-920-593-2444

Huco Dynatork

Precision Couplings and Air Motors
Hertford, England
+44 (0) 1992 501900
Chambersburg, PA - USA
1-800-829-6637

Lamiflex Couplings

Flexible Couplings, Bearing Isolators, and Coupling Guards
São Paulo, SP - Brasil
(11) 5679-6533

Linear Products

Warner Linear

Linear Actuators
Belvidere, IL - USA
1-800-825-6544
For application assistance:
1-800-825-9050
St Barthelemy d'Anjou, France
+33 (0) 2 41 21 24 24

Electromagnetic Clutches and Brakes

Warner Electric

Electromagnetic Clutches and Brakes
New Hartford, CT - USA
1-800-825-6544

For application assistance:
1-800-825-9050
St Barthelemy d'Anjou, France
+33 (0) 2 41 21 24 24

Precision Electric Coils and Electromagnetic Clutches and Brakes
Columbia City, IN - USA
1-260-244-6183

Matrix International

Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes
Brechin, Scotland
+44 (0) 1356 602000
New Hartford, CT - USA
1-800-825-6544

Inertia Dynamics

Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes
New Hartford, CT - USA
1-800-800-6445

Overrunning Clutches

Formsprag Clutch

Overrunning Clutches and Holdbacks
Warren, MI - USA
1-800-348-0881 – Press #1
For application assistance:
1-800-348-0881 – Press #2

Marland Clutch

Roller Ramp and Sprag Type Overrunning Clutches and Backstops
South Beloit, IL - USA
1-800-216-3515

Stieber Clutch

Overrunning Clutches and Holdbacks
Heidelberg, Germany
+49 (0) 6221 30 47 0

Heavy Duty Clutches and Brakes

Wichita Clutch

Pneumatic Clutches and Brakes
Wichita Falls, TX - USA
1-800-964-3262
Bedford, England
+44 (0) 1234 350311

Twiflex Limited

Caliper Brakes and Thrusters
Twickenham, England
+44 (0) 20 8894 1161

Industrial Clutch

Pneumatic and Oil Immersed Clutches and Brakes
Waukesha, WI - USA
1-262-547-3357

Gearing

Boston Gear

Enclosed and Open Gearing, Electrical and Mechanical P.T. Components
Charlotte, NC - USA
1-800-825-6544

For application assistance:
1-800-816-5608

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Gearred Motors
Esslingen, Germany
+49 (711) 3518-0

Nuttall Gear and Delroyd Worm Gear

Worm Gear and Helical Speed Reducers
Niagara Falls, NY - USA
1-716-298-4100

Belted Drives and Sheaves

TB Wood's

Belted Drives
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7

Engineered Bearing Assemblies

Kilian Manufacturing
Engineered Bearing Assemblies
Syracuse, NY - USA
1-315-432-0700

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