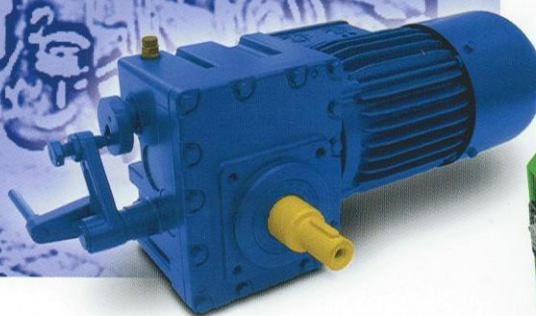


## BAUER & LJU Two Pioneers in the Monorail System Industry

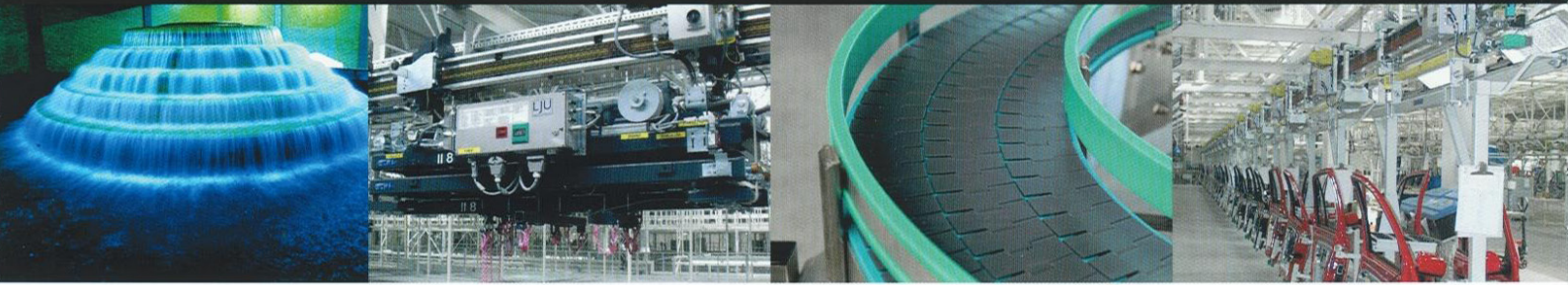


 **Bauer**<sup>®</sup>  
Gear Motor  
An Altra Industrial Motion Company

  
A Member of

  
**GRENZBACH**





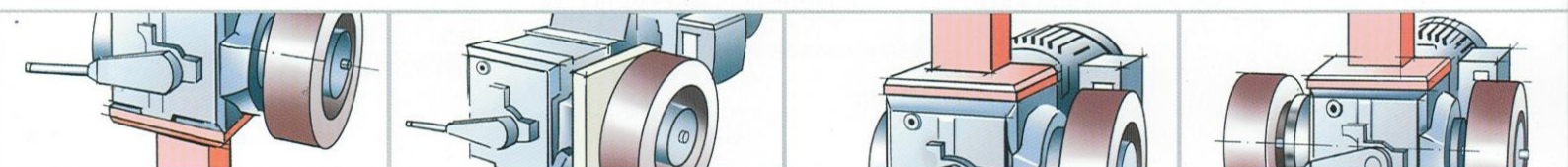
## Monorail Geared Motors

Flexible and robust for large and small loads

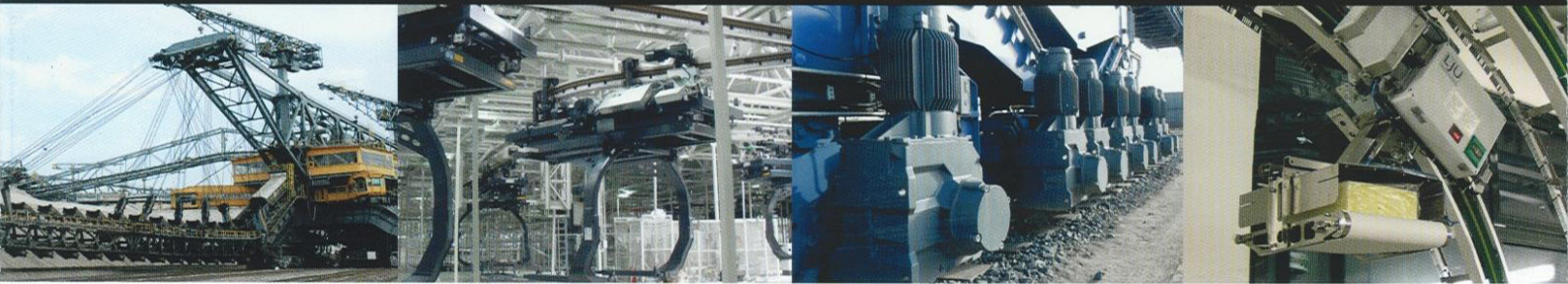
We are one of the leading manufacturers of intelligent drive technology for more than 85 years. Innovative products, modern processes and responsible employees realise this with the target of conserving resources and the environment together with efficient energy use over our whole field of activity. 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

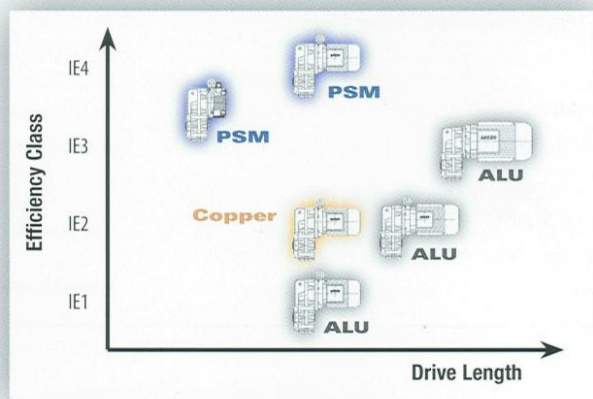
\*ML: The position of the power application point „centre of wheel“ can be seen on the applicable dimensional drawings. Significantly higher gear ratios are optional.

## ...use of energy efficient motors

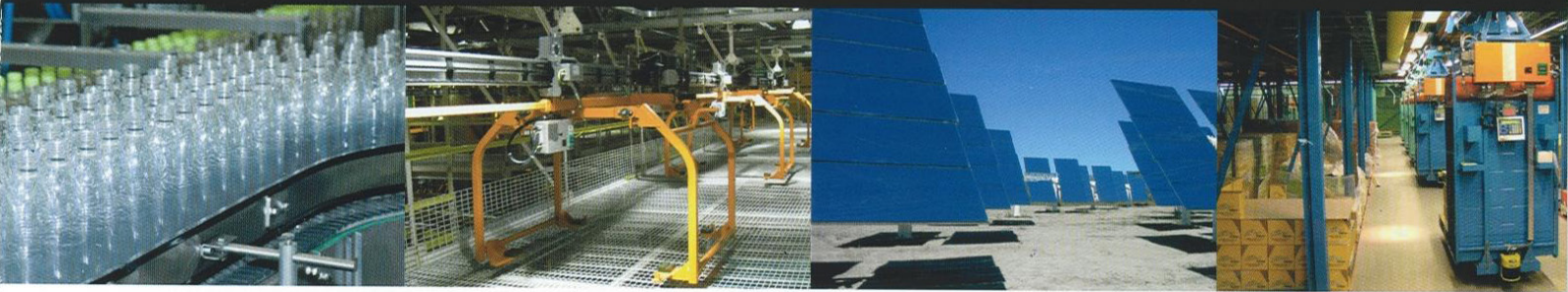
P <sub>N</sub> [kW]	IE1*	IE2*	IE3*	IE3*	IE4*
0,55	DSE08MA4	DHE08LA4			SU08MA4
0,75	DSE08LA4	DHE08XA4	DPE09LA4		S08MA4
1,1	DSE09SA4	DHE09LA4	DPE09XA4		S08LA4
1,5	DSE09LA4	DHE09XA4	DPE09XA4C	S08LA4	S09SA4
2,2	DSE09XA4	DHE09XA4C	DPE11MA4	S09SA4	S09XA4
3	DSE11SA4	DHE11MA4	DPE11LA4	S09XA4	S11SA6
4	DSE11MA4	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  
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"> <li>• Easy commissioning due to lack of setting of motor parameters</li> <li>• No pre-setting of the basic paramters needed</li> </ul>
Load free commissioning of conveyor vehicle	<ul style="list-style-type: none"> <li>• Flexibility</li> </ul>
Optimal selection of the motor parameters	<ul style="list-style-type: none"> <li>• Safety during commissioning</li> </ul>
Pre-Settings for all Bauer Motors	<ul style="list-style-type: none"> <li>• Quicker commissioning</li> </ul>
Commissioning with Pre-Settings	<ul style="list-style-type: none"> <li>• Simple entry of the motor key</li> <li>• Safe activating of the Pre-Settings</li> <li>• Quick and safe use of the motor</li> </ul>
Application specific characteristics	<ul style="list-style-type: none"> <li>• No time consuming inputting of motor parameters</li> <li>• Time saving</li> <li>• Commissioning with "less" specialised users</li> <li>• No fully loaded vehicle needed for commissioning</li> </ul>