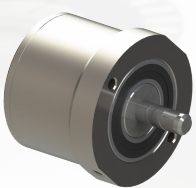


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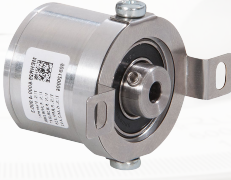
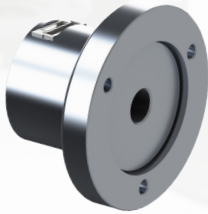
Miniature Encoders - „Plug and Play“ - Motion-Control on small space.



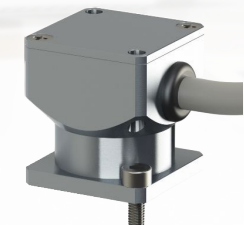
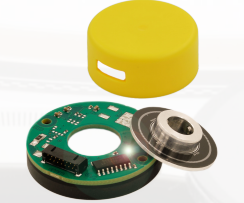
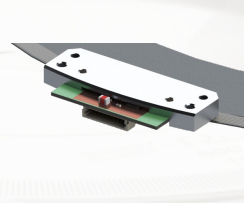


Picture	Product name	Outer diameter mm	Resolution cpr	Shaft diameter mm	Channels	Supply voltage V
	<u>ME 16</u>	16	36-230	1,5-3,175	2	5
	<u>ME 22</u>	22	1-360	1,5-9,52	to 4	5
	<u>MEC 22</u>	22	500-2.048	1,5-9,52	2/3	5
	<u>MEC 22 HR</u>	22	2000-8.192	1,5-9,52	2/3	5
	<u>ME 22 S</u>	22	1-360	4,0/6,0	2	5
	<u>MES 25 Sinus</u>	25	250/256	4,0-6,0	3	5

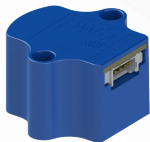
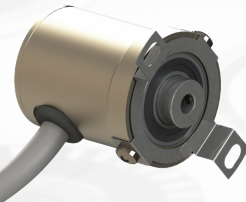
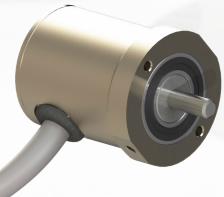


Picture	Product name	Outer diameter mm	Resolution cpr	Shaft diameter mm	Channels	Supply voltage V
	<u>AE 30</u>	31	100-5.000	2,0-8,0	to 6	5
	<u>AE 30 F</u>	31	100-5.000	2,0-8,0	to 6	5
	<u>AE 30 VX</u>	31	100-5.000	2,0-8,0	to 4	8-30
	<u>MEHR 25 H</u>	25	to 12.000	4,0-6,0	6	5
	<u>MEHR 25 S</u>	25	to 12.000	4,0-6,0	6	5
	<u>MEHR 25 Y01</u>	37	1024	6,0	6	5 / 8-24



Picture	Product name	Outer diameter mm	Resolution cpr	Shaft diameter mm	Channels	Supply voltage V
	<u>GEO 24</u>	24	360	4	to 4	8-24
	<u>EBG 27</u>	25	5.000	4-5	6	5
	<u>EBG 38</u>	38	250-4.096	3,0-10,0	3/6	5 / 8 - 30
	<u>EBG 100</u>	100	to 400.000	to 80	6	5
	<u>EBG 130</u>	130	to 500.000	to 110	6	5
	<u>EBG 200</u>	200	to 800.000	to 180	6	5

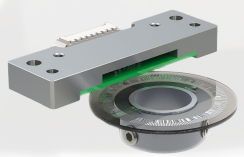
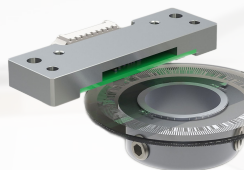
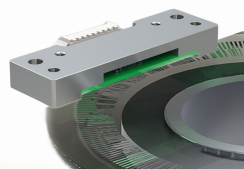


Picture	Product name	Outer diameter mm	Resolution cpr	Shaft diameter mm	Channels	Supply voltage V
	<u>MEM 16 IE</u>	16	1-1.024	1,5-3,175	2	5
	<u>MEM 20</u>	22	64	3,0	2	5
	<u>MEM 22 IE</u>	22	1-1.024	2,0-8,0	3	5 / 8-30
	<u>MEM 24</u>	24	1-1.024	4	2	8-30
	<u>MEM 25 C</u>	25	1-1.024	3,0-6,0	6	5 / 8-30
	<u>MEM 25 K</u>	25	1-1.024	3,0-6,0	6	5 / 8-30



Picture	Product name	Outer diameter mm	Resolution cpr	Shaft diameter mm	Interface	Supply voltage
	<u>MEM 22 AE</u>	22	12 Bit	2,0-8,0	SSI, BiSS	5 / 8 - 30
	<u>AS 25 M</u>	24,5	18 Bit to 65.536 cpr	10,0-20,0	SSI,BiSS,SPI +ABI	5
	<u>AS 25</u>	24,5	18 Bit to 65.536 cpr	10,0-20,0	SSI,BiSS,SPI +ABI	5 / 8 - 30
	<u>AS 50M</u>	50,7	18 Bit to 65.536 cpr	39,5-44,0	SSI,BiSS,SPI +ABI	5
	<u>AS 50</u>	50,7	18 Bit to 65.536 cpr	39,5-44,0	SSI,BiSS,SPI +ABI	5 / 8 - 30
	<u>ASA 25</u>	34	18 Bit to 65.536 cpr	11,0	SSI,BiSS,SPI +ABI	5
	<u>MEM 16 M</u>	16	14 Bit + 24 Bit	1,5-3,175	SSI, BiSS	5
	<u>MEM 22 M</u>	22	14 Bit + 24 Bit	2,0-8,0	SSI, BiSS, SPI	5
	<u>AEM 30</u>	31	14 Bit + 24 Bit	4,0-6,35	SSI, BiSS, SPI	5 / 8-24



Picture	Product name	Outer diameter mm	Resolution cpr	Shaft diameter mm	Interface	Supply voltage
	ABG 26	26	18 Bit	10	SSI, BiSS, SPI	5
	ABG 69	69	18 Bit	30	SSI, BiSS, SPI	5
	ABG 138	138	18 Bit	100	SSI, BiSS, SPI	5



We manufacture transmissive and reflective encoder wheels on film, Makrolon® and aluminum basis. Resolutions up to 1,000 lpi and tolerances less than one micrometer for the bar-window ratio (optical) and < 10 micrometer (concentricity inner hole for data track – mechanical) prove the high standard of our products technologically and regarding production engineering.

With modern clean room technology, we ensure the highest quality of this product.

Bi-adhesive tapes, use of stabilizer discs and hubs expand the application area and possibilities of our film encoder wheels and make it easy for assembling.

Dimensions and tolerances:

- Resolution (lpi) max.: 1,270
- Concentricity (mm): 0.0150
- Eccentricity (mm): 0.0075
- Bar/Window (mm): ± 0.002
- Pitch (mm): ± 0.001

Special advantages polycarbonate (Makrolon®)

- higher temperature resistance (up to +120 °C)
- breaking strength
- highest accuracy of fit and concentricity



Special advantages aluminum codewheels

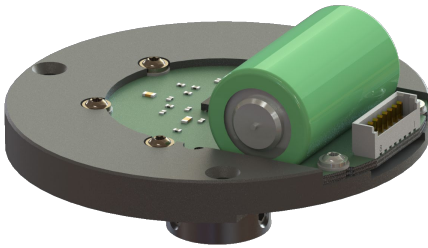
- higher temperature resistance (up to +125 °C)
- breaking strength
- highest accuracy of fit and concentricity



Encoder Strips: The highest precision in (nearly) every size. PWB encoders code strips will be used in linear measurement systems for positioning systems, printers, scanners, plotters, textile machinery and numberless further applications.

Our Environmental requirements:
Every materials comply with
"Green procurement requirements"
and are free from harmful substances.





Customer Service

Think ahead – think in solutions – PWB encoders GmbH

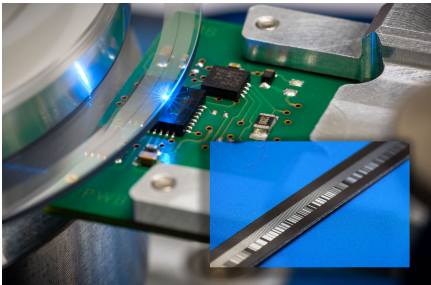
For PWB encoders GmbH competent Customer Service means the realization of solution concepts in close and direct dialog with our customers. Our Know How, experience and expertise are always adopted to customers' needs.

PWB encoders GmbH offers an integral service concept:

- Needs Analysis
- Solution Concepts and Product Development
- Worldwide Logistics
- After-Sales Support

The close cooperation with our customers includes problem analysis, preparation of defined solution processes up to delivery of the product, and does not end until the end of the product's life time.

PWB encoders GmbH – Your proficient and reliable partner in the World of Motion Control.



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