MOZART ZERO H5

GAMMA GENERATION HORIZONTAL SINGLE LINE WIRE ENAMELLING MACHINE FOR COPPER AND ALUMINUM WIRE.

DIMENSION RANGE

●●	MOZART ZERO H5/2–2/24 D
●●●●	MOZART ZERO H5/4–4/24 D
●●●●●●	MOZART ZERO H5/6–6/24 D
●□	MOZART ZERO H5/1–2/48 D
●□●□	MOZART ZERO H5/2–4/48 D
●□●□●□	MOZART ZERO H5/3–6/48 D

● Number of lines □ Number of ovens D = dies

COPPER: 0.3 – 0.8 mm / awg 28.5 – 20
ALUMINIUM: 0.5 – 1.32 mm / awg 24 – 15.5

TECHNICAL DATA FOR COPPER

PRODUCTION DATA	
Speed range	0 – 850 m/min.
Sizes of finished wire reels	max. 630 mm
Max. inlet diameter	2.4 mm
RATED POWER	**for 2 lines***
Total rated power	196 kW (thermal and motive)
MECHANICAL	
Max. number of enamel passes	max. 24 (up to 3 enamels) 48 selfbond
Oven-length	9.7 m
Annealer-length	9.9 + 6.4 m
Machine width (2 lines)	1.7 m
Machine length (excl. spooler, pay-off, drawing mc)	20 m

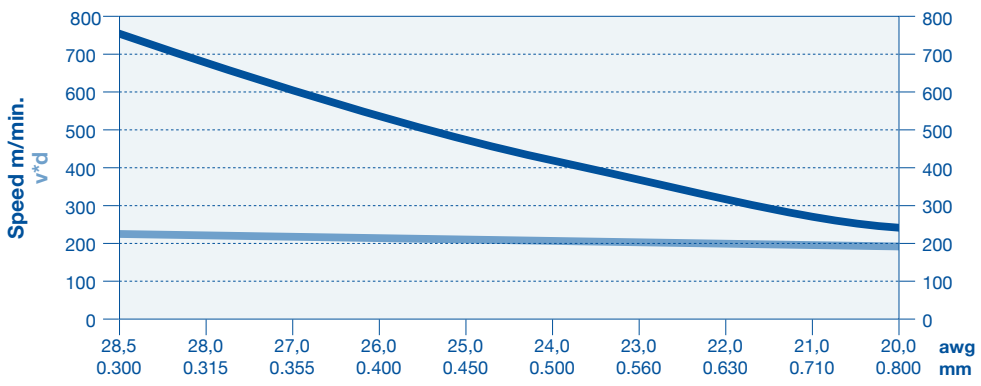
* not valid for SB-machines

HORIZONTAL SINGLE LINE COPPER WIRE ENAMELLING MACHINE

OUTPUT-TABLE

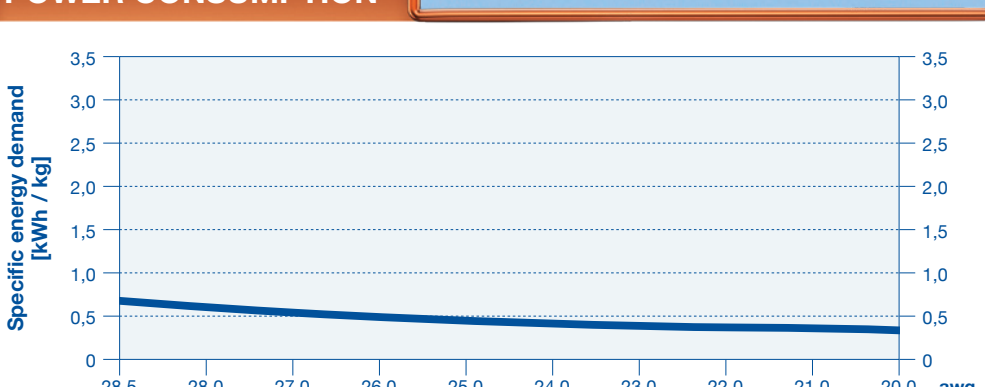
Diameter		PEI		PU		2 lines		4 lines		6 lines	
d	awg	v	v x d	v	v x d	PEI	PU	PEI	PU	PEI	PU
[mm]		[m/min]	[m/min x mm]	[m/min]	[mm x m/min]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]
0,300	28,5	733	220	750	225	1332	1362	2663	2724	3995	4086
0,315	28,0	695	219	711	224	1392	1424	2784	2847	4176	4271
0,355	27,0	611	217	623	221	1554	1583	3109	3166	4663	4749
0,400	26,0	535	214	545	218	1727	1759	3454	3519	5181	5278
0,450	25,0	469	211	478	215	1916	1952	3832	3904	5747	5856
0,500	24,0	416	208	426	213	2098	2149	4197	4298	6295	6446
0,560	23,0	364	204	371	208	2305	2350	4610	4700	6915	7050
0,630	22,0	317	200	324	204	2542	2593	5084	5186	7627	7779
0,710	21,0	273	194	279	198	2779	2836	5558	5673	8337	8509
0,800	20,0	236	189	241	193	3051	3115	6101	6231	9152	9346

PERFORMANCE DATA*



* values for grade 2 application (G2) are approx. 5% lower
* values for PAI overcoat are approx. 5% lower than for PEI
* values for NY overcoat are approx. 5% lower than for PU
* depending on suitable production materials and conditions
* final production quality according to IEC/NEMA standard

POWER CONSUMPTION*



* values are valid for G2 and 26°C ambient temperature, using PEI basecoat with 40% SC and PAI overcoat
* performance data (vxd) used are in accordance with the output table based on tangent delta values specified by the enamel supplier

The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee in the legal sense.

HORIZONTAL SINGLE LINE ALUMINUM WIRE ENAMELLING MACHINE

OUTPUT-TABLE

Diameter		PEI		PU		2 lines		4 lines		6 lines	
d	awg	v	v x d	v	v x d	PEI	PU	PEI	PU	PEI	PU
[mm]		[m/min]	[m/min x mm]	[m/min]	[mm x m/min]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]
0,50	24,0	308	154	323	162	513	538	1025	1076	1538	1615
0,53	23,5	289	153	304	161	541	568	1082	1136	1623	1704
0,60	22,5	253	152	266	159	607	637	1213	1274	1820	1911
0,67	21,5	224	150	235	157	668	702	1336	1403	2004	2105
0,75	20,5	197	148	207	155	737	774	1475	1549	2212	2323
0,85	19,5	171	146	180	153	824	865	1648	1730	2472	2595
0,95	18,5	150	143	158	150	903	948	1806	1896	2709	2845
1,06	17,5	132	140	139	147	988	1037	1976	2075	2964	3112
1,18	16,5	115	136	121	143	1067	1120	2133	2240	3200	3360
1,32	15,5	100	132	105	139	1163	1221	2325	2441	3488	3662

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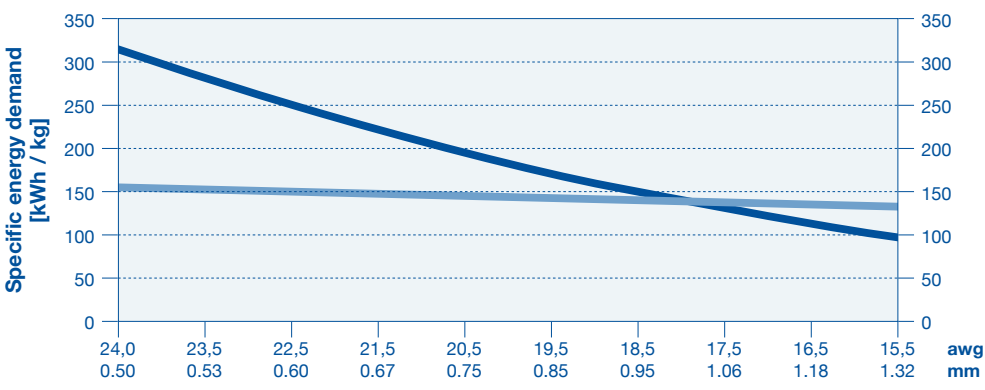

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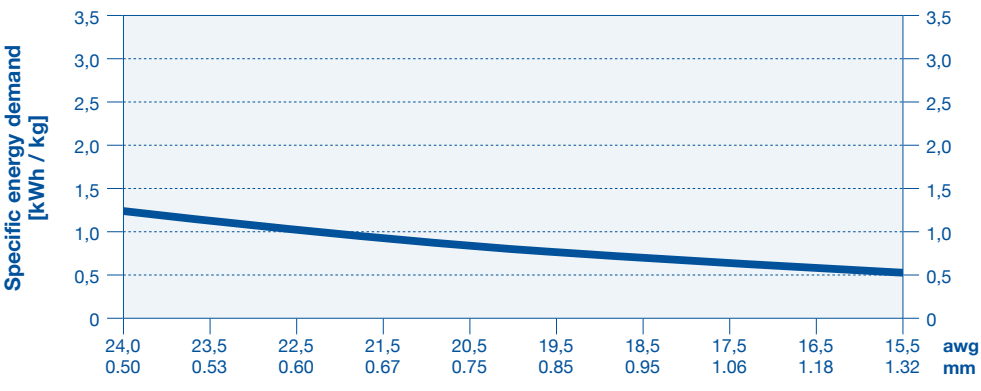

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DIMENSION RANGE

●□	MOZART ZERO H5/2–2/24 D
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OUTPUT-TABLE

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[mm]		[m/min]	[m/min x mm]	[m/min]	[mm x m/min]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]	[kg/24h]
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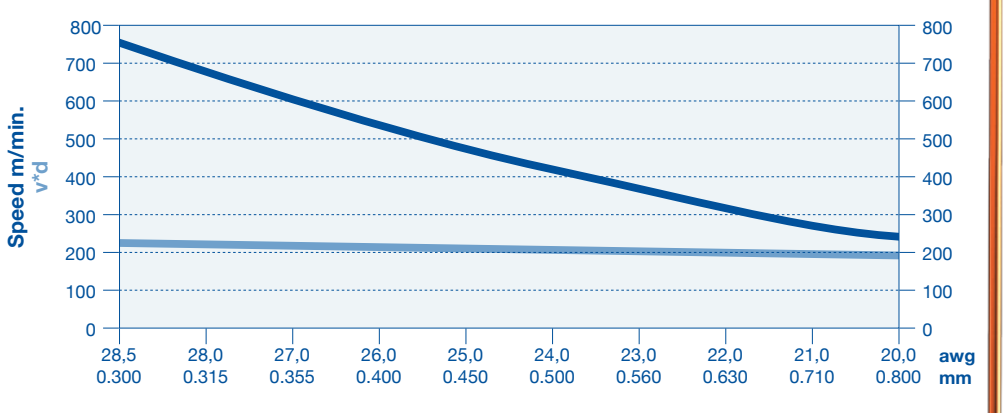

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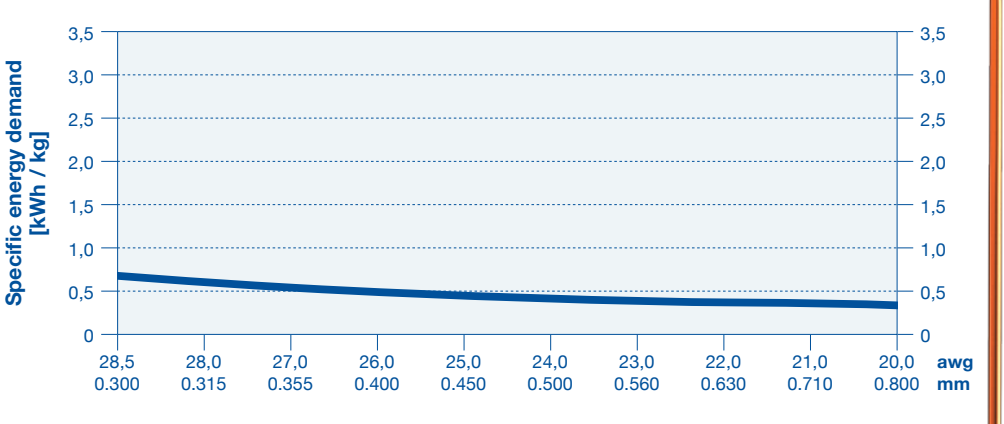

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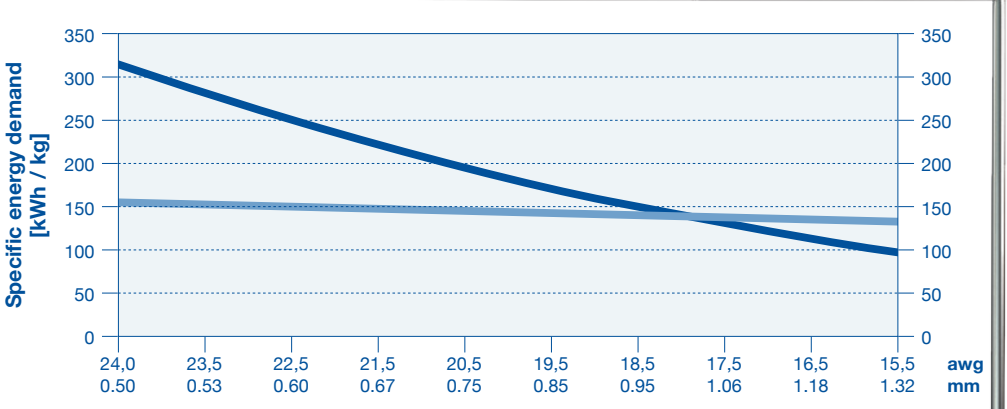

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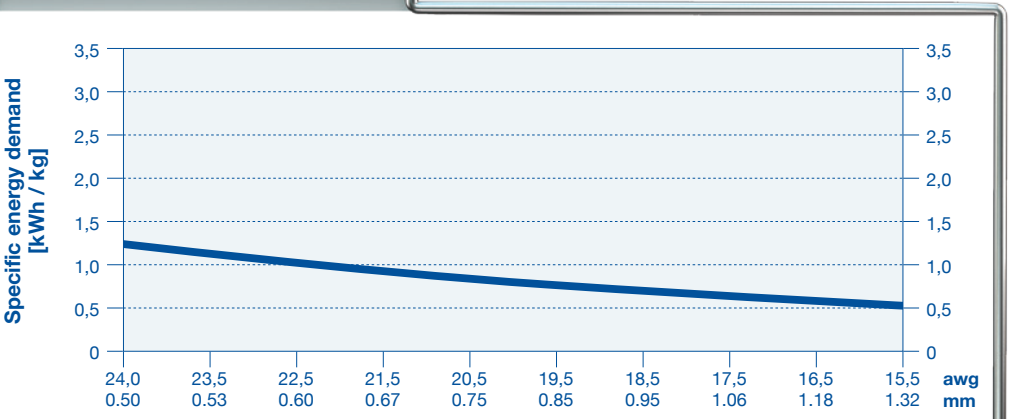

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