







MOZART ZERO H3

GEMMA GENERATION HORIZONTAL SINGLE LINE WIRE ENAMELLING MACHINE FOR COPPER AND ALUMINIUM WIRE.

DIMENSION RANGE

	MOZART ZERO H3/2-2/24 D
	MOZART ZERO H3/4-4/24 D
	MOZART ZERO H3/6-6/24 D
	MOZART ZERO H3/1-2/48 D
	MOZART ZERO H3/2-4/48 D
	MOZART ZERO H3/3-6/48 D

• Number of lines □ Number of ovens D = dies

COPPER: 0.15 – 0.35 mm / awg 34.5 – 27
ALUMINIUM: 0.30 – 0.60 mm / awg 28,5 – 22.5

TECHNICAL DATA

PRODUCTION DATA	
Speed range	0 – 1400 m/min.
Sizes of finished wire reels	max. 400 mm
Max. inlet diameter	1.12 mm
RATED POWER for 2 lines*	
Total rated power	159 kW (thermal and motive)
MECHANICAL	
Max. number of enamel passes	max. 24 (up to 3 enamels) 48 selfbond
Oven-length	8.7 m
Annealer-length	9 + 6.4 m
Machine width (2 lines)	1.7 m
Machine length (excl. spooler, pay-off, drawing mc)	19 m

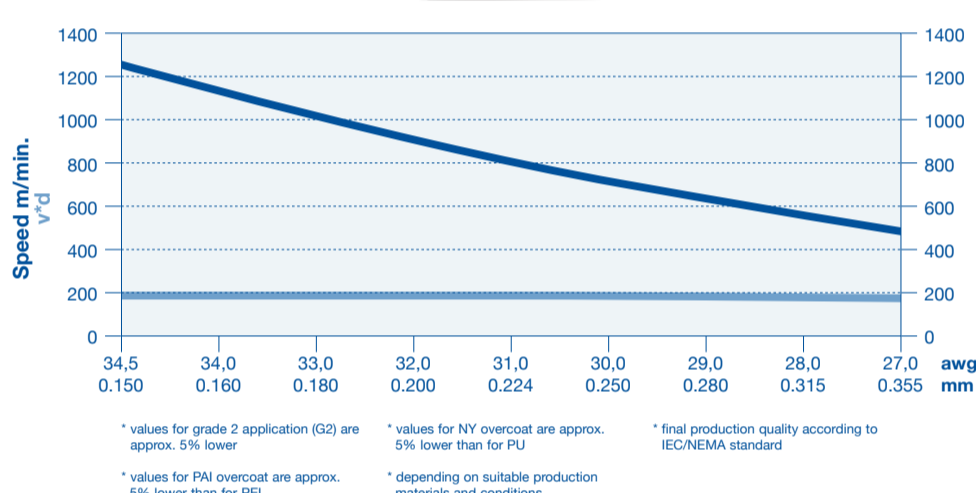
* not valid for SB-machines

HORIZONTAL SINGLE LINE COPPER WIRE ENAMELLING MACHINE

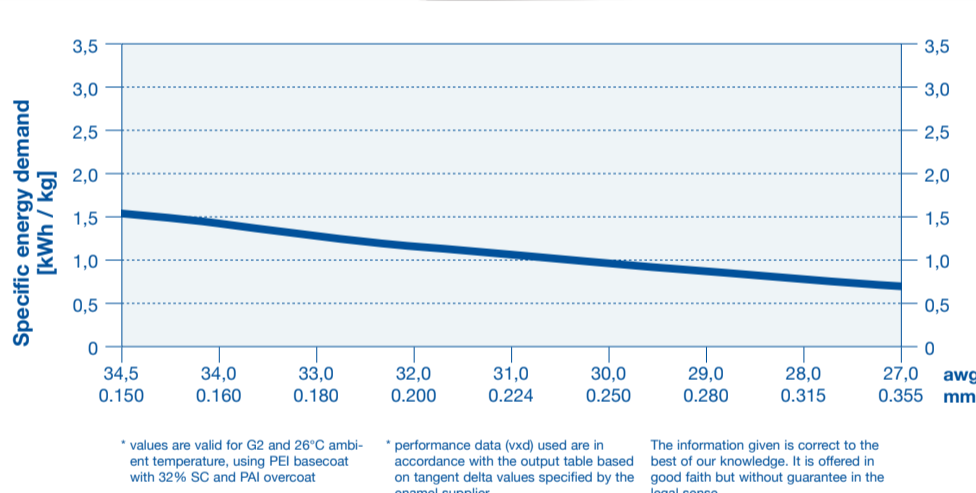
OUTPUT-TABLE

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]
0,150	34,5	1240	186	1260	189	563	572	1126	1144	1689	1716
0,160	34,0	1156	185	1175	188	597	607	1194	1214	1792	1821
0,180	33,0	1022	184	1039	187	668	679	1336	1358	2005	2037
0,200	32,0	915	183	930	186	738	751	1477	1501	2215	2252
0,224	31,0	808	181	826	185	818	836	1636	1672	2454	2508
0,250	30,0	716	179	732	183	903	923	1806	1846	2709	2769
0,280	29,0	632	177	646	181	1000	1023	2000	2045	3000	3068
0,315	28,0	556	175	565	178	1112	1131	2224	2263	3337	3394
0,355	27,0	487	173	496	176	1239	1261	2478	2521	3717	3782

PERFORMANCE DATA*



POWER CONSUMPTION*

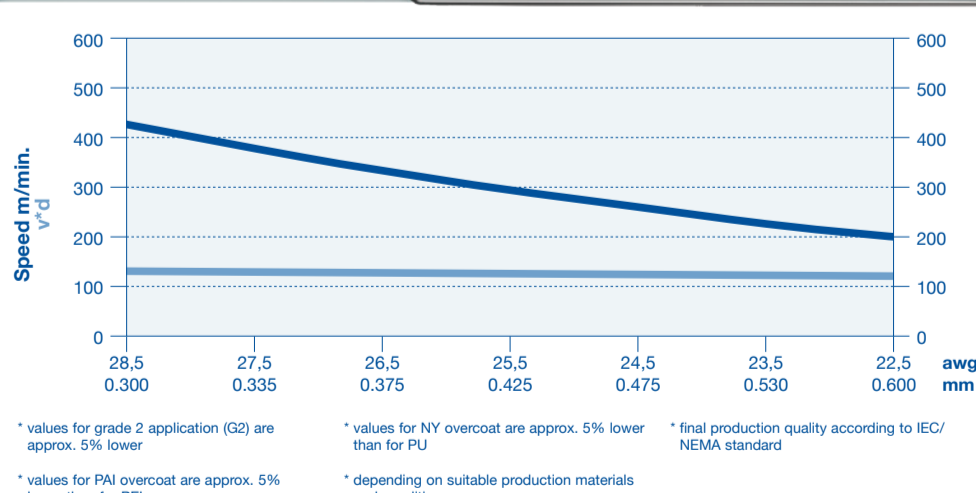


HORIZONTAL SINGLE LINE ALUMINIUM WIRE ENAMELLING MACHINE

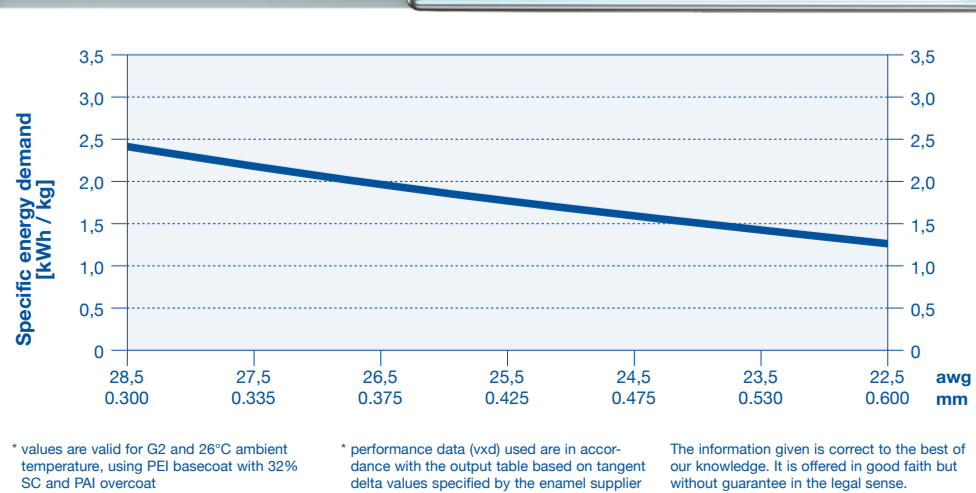
OUTPUT-TABLE

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	429	129	451	135	257	270	514	540	772	810
0,335	27,5	382	128	402	135	286	300	571	600	857	900
0,375	26,5	338	127	355	133	316	332	633	664	949	996
0,425	25,5	295	125	310	132	354	372	709	744	1063	1117
0,475	24,5	261	124	274	130	392	411	784	823	1175	1234
0,530	23,5	231	123	243	129	432	454	864	908	1297	1361
0,600	22,5	202	121	212	127	484	508	967	1016	1451	1524
0,530	23,5	231	123	243	129	432	454	864	908	1297	1361
0,600	22,5	202	121	212	127	484	508	967	1016	1451	1524

PERFORMANCE DATA*









POWER CONSUMPTION*



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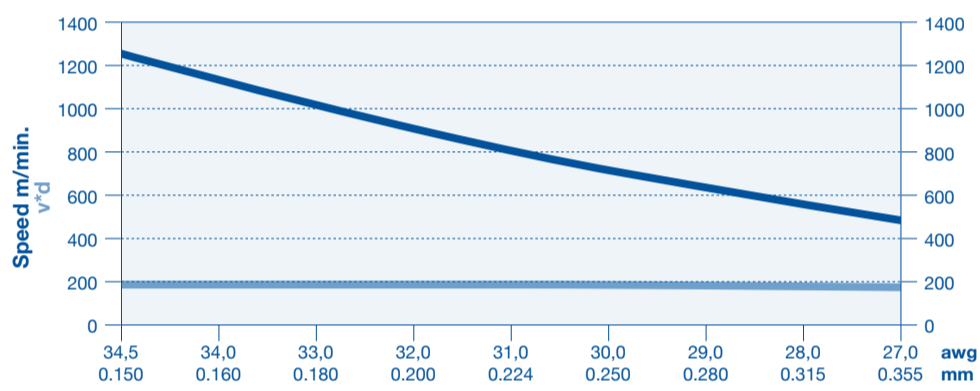
* not valid for SB-machines

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]
0,150	34,5	1240	186	1260	189	563	572	1126	1144	1689	1716
0,160	34,0	1156	185	1175	188	597	607	1194	1214	1792	1821
0,180	33,0	1022	184	1039	187	668	679	1336	1358	2005	2037
0,200	32,0	915	183	930	186	738	751	1477	1501	2215	2252
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0,280	29,0	632	177	646	181	1000	1023	2000	2045	3000	3068
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0,355	27,0	487	173	496	176	1239	1261	2478	2521	3717	3782

PERFORMANCE DATA*



* values for grade 2 application (G2) are approx. 5% lower

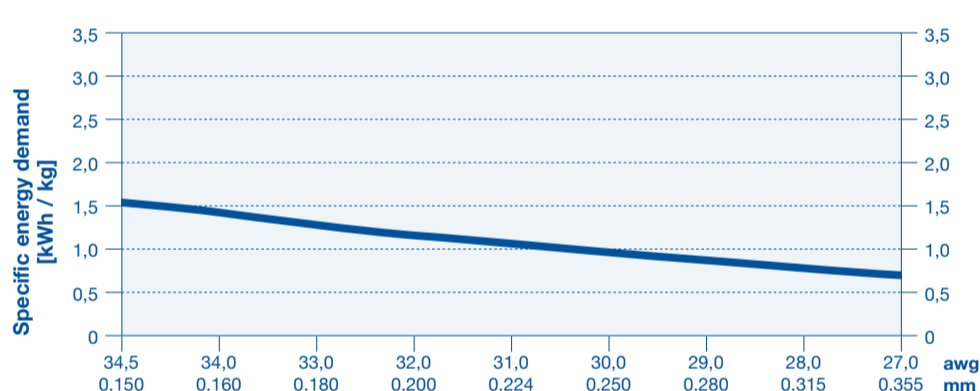
* values for NY overcoat are approx. 5% lower than for PU

* final production quality according to IEC/NEMA standard

* values for PAI overcoat are approx. 5% lower than for PEI

* depending on suitable production materials and conditions

POWER CONSUMPTION*



* values are valid for G2 and 26°C ambient temperature, using PEI basecoat with 32% 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

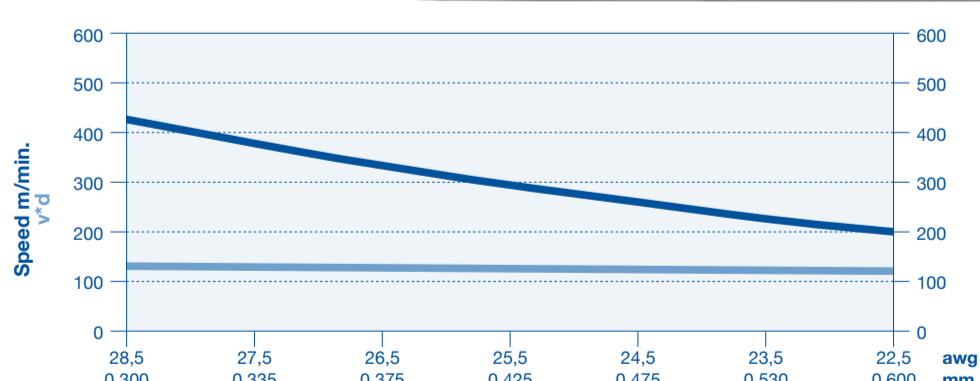
The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee in the legal sense.

HORIZONTAL SINGLE LINE ALUMINIUM 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	429	129	451	135	257	270	514	540	772	810
0,335	27,5	382	128	402	135	286	300	571	600	857	900
0,375	26,5	338	127	355	133	316	332	633	664	949	996
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0,600	22,5	202	121	212	127	484	508	967	1016	1451	1524
0,530	23,5	231	123	243	129	432	454	864	908	1297	1361
0,600	22,5	202	121	212	127	484	508	967	1016	1451	1524

PERFORMANCE DATA*



* values for grade 2 application (G2) are approx. 5% lower

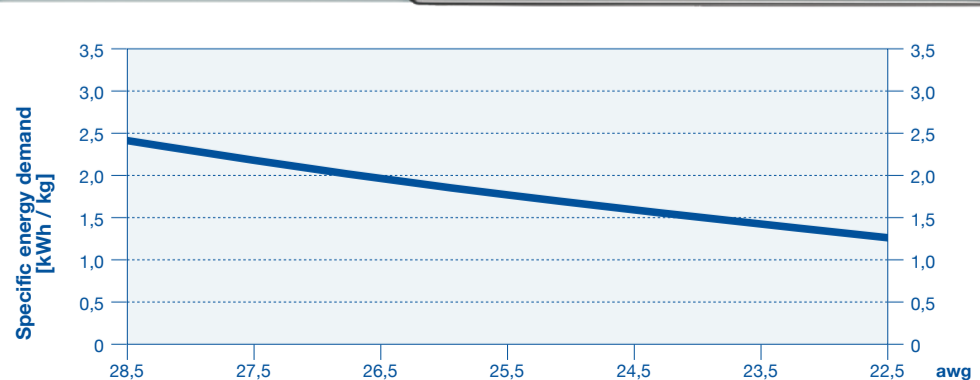
* values for NY overcoat are approx. 5% lower than for PU

* final production quality according to IEC/NEMA standard

* values for PAI overcoat are approx. 5% lower than for PEI

* depending on suitable production materials and conditions

POWER CONSUMPTION*



* values are valid for G2 and 26°C ambient temperature, using PEI basecoat with 32% 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

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