

# MOZART ZERO H4

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

## DIMENSION RANGE

	MOZART ZERO H4/2-2/24 D
	MOZART ZERO H4/4-4/24 D
	MOZART ZERO H4/6-6/24 D
	MOZART ZERO H4/1-2/48 D
	MOZART ZERO H4/2-4/48 D
	MOZART ZERO H4/3-6/48 D

• Number of lines    □ Number of ovens    D = dies

**COPPER: 0.2 – 0.5 mm / awg 32 – 24**

**ALUMINIUM: 0.335 – 0.85 mm / awg 27.5 – 19.5**

## TECHNICAL DATA FOR COPPER

PRODUCTION DATA	
Speed range	0 – 1250 m/min.
Sizes of finished wire reels	max. 500 mm
Max. inlet diameter	1.6 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	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

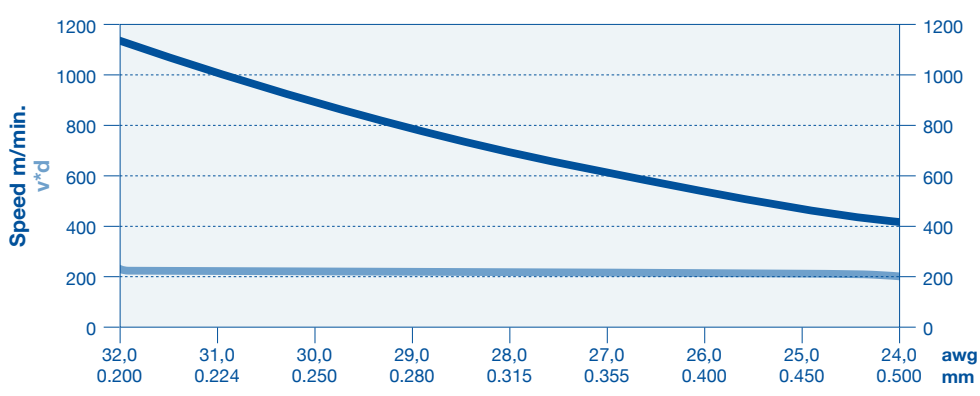
\* not valid for SB-machines

## 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]
0,200	32,0	1135	227	1155	231	916	932	1832	1864	2748	2796
0,224	31,0	1009	226	1027	230	1021	1039	2043	2079	3064	3118
0,250	30,0	896	224	912	228	1130	1150	2260	2300	3390	3450
0,280	29,0	789	221	807	226	1249	1277	2497	2554	3746	3830
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

### PERFORMANCE DATA\*



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

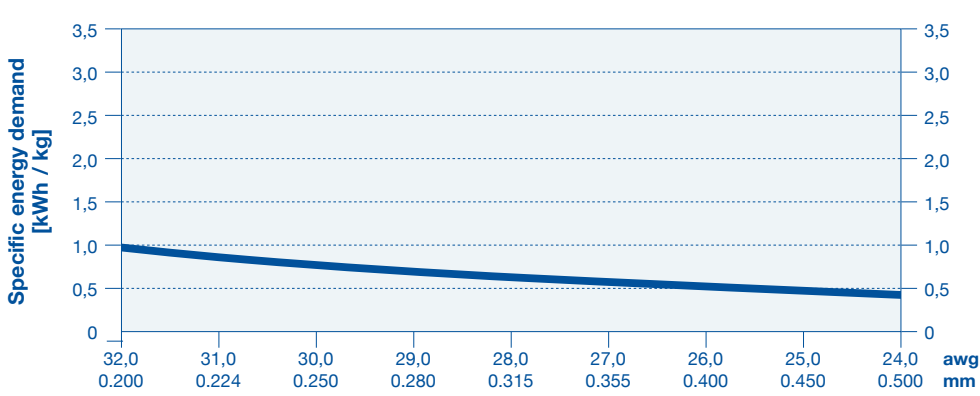
\* values for NY overcoat are approx. 5% lower than for PU

\* 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 36% 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

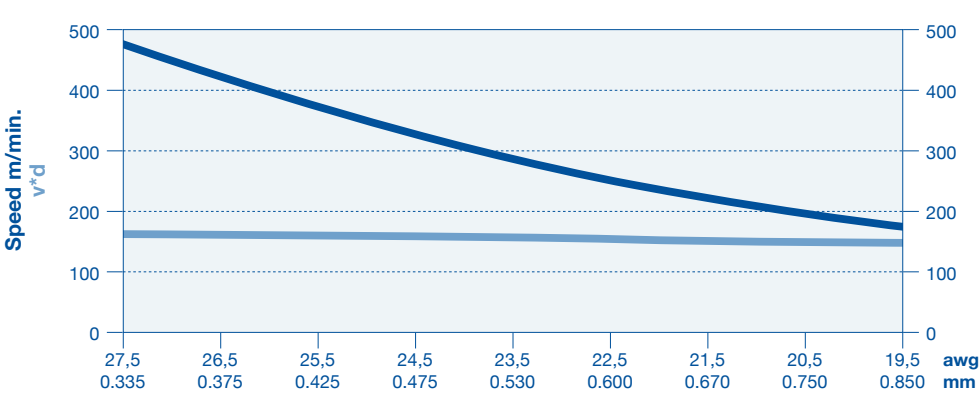
The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee in the legal sense.

## 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]
0,335	27,5	474	159	498	167	354	372	709	744	1063	1116
0,375	26,5	422	158	443	166	395	415	790	829	1185	1244
0,425	25,5	369	157	387	165	444	466	887	932	1331	1397
0,475	24,5	326	155	342	162	489	514	978	1027	1467	1541
0,530	23,5	289	153	304	161	541	568	1082	1136	1623	1704
0,600	22,5	253	152	266	159	607	637	1213	1274	1820	1911
0,670	21,5	224	150	235	157	668	702	1336	1403	2004	2105
0,750	20,5	197	148	207	155	737	774	1475	1549	2212	2323
0,850	19,5	171	146	180	153	824	865	1648	1730	2472	2595

### PERFORMANCE DATA\*



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

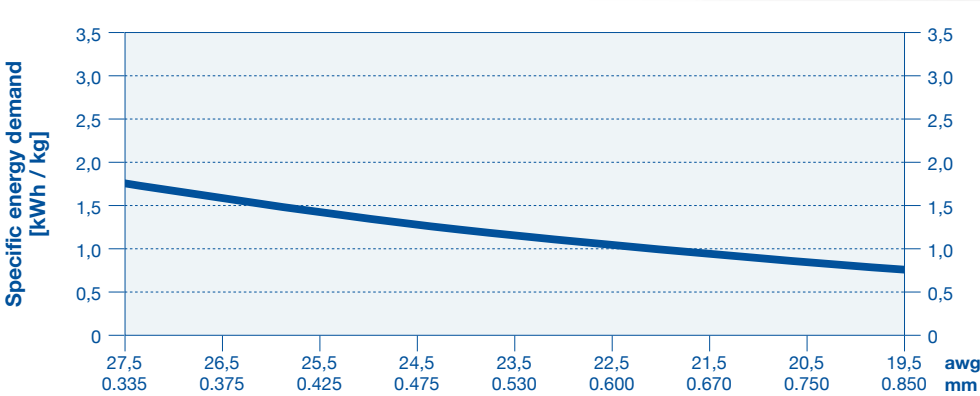
\* values for NY overcoat are approx. 5% lower than for PU

\* 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 36% 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.

# MOZART ZERO H4

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

## DIMENSION RANGE

	MOZART ZERO H4/2-2/24 D
	MOZART ZERO H4/4-4/24 D
	MOZART ZERO H4/6-6/24 D
	MOZART ZERO H4/1-2/48 D
	MOZART ZERO H4/2-4/48 D
	MOZART ZERO H4/3-6/48 D

• Number of lines    □ Number of ovens    D = dies

**COPPER: 0.2 – 0.5 mm / awg 32 – 24**

**ALUMINIUM: 0.335 – 0.85 mm / awg 27.5 – 19.5**

## TECHNICAL DATA FOR COPPER

### PRODUCTION DATA

Speed range	0 – 1250 m/min.
Sizes of finished wire reels	max. 500 mm
Max. inlet diameter	1.6 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	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

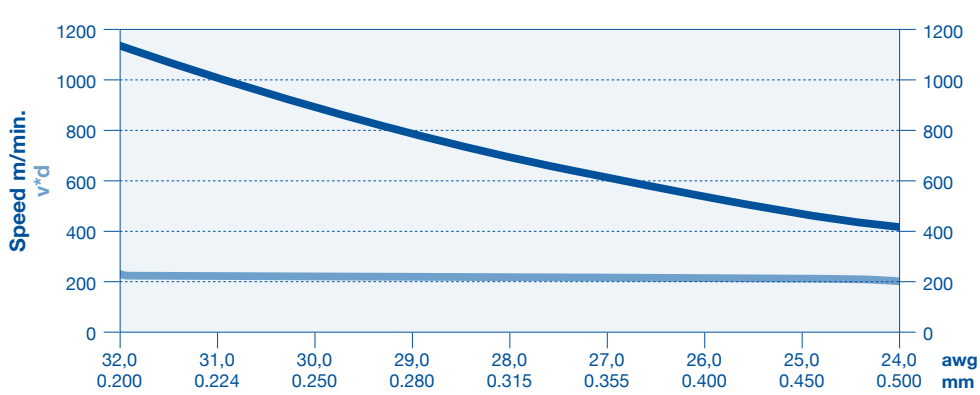
\* not valid for SB-machines

## 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]
0,200	32,0	1135	227	1155	231	916	932	1832	1864	2748	2796
0,224	31,0	1009	226	1027	230	1021	1039	2043	2079	3064	3118
0,250	30,0	896	224	912	228	1130	1150	2260	2300	3390	3450
0,280	29,0	789	221	807	226	1249	1277	2497	2554	3746	3830
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

### PERFORMANCE DATA\*

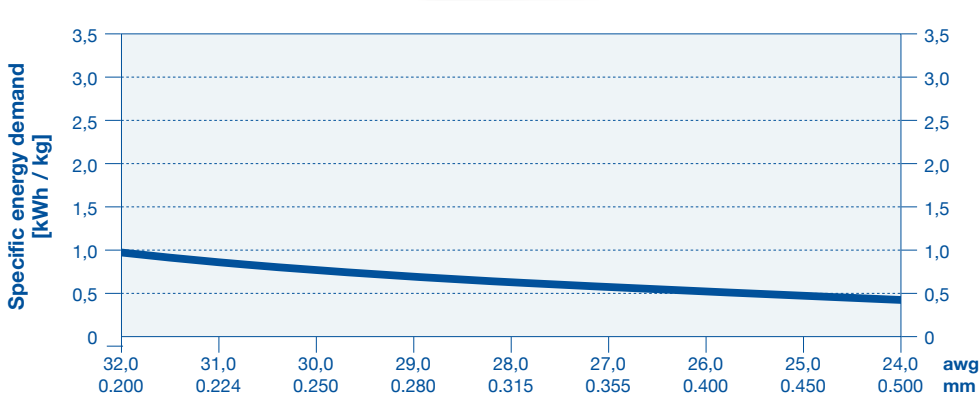


\* values for grade 2 application (G2) are approx. 5% lower  
\* values for PAI overcoat are approx. 5% lower than for PEI

\* 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 36% 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

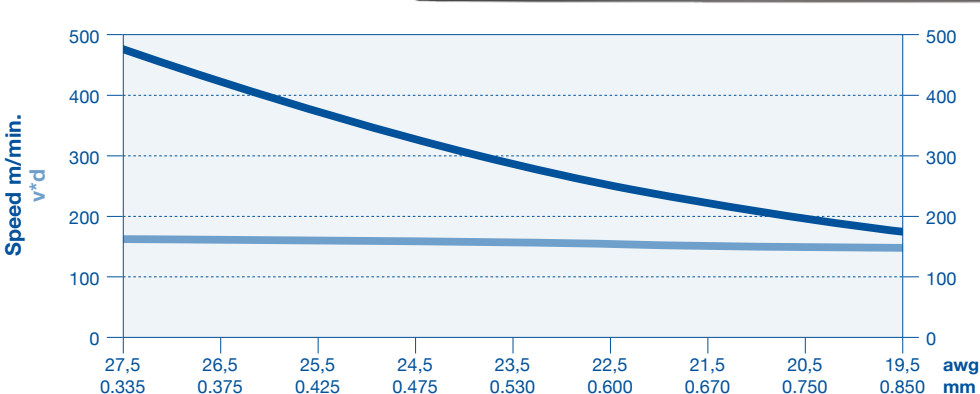
The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee in the legal sense.

## 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]
0,335	27,5	474	159	498	167	354	372	709	744	1063	1116
0,375	26,5	422	158	443	166	395	415	790	829	1185	1244
0,425	25,5	369	157	387	165	444	466	887	932	1331	1397
0,475	24,5	326	155	342	162	489	514	978	1027	1467	1541
0,530	23,5	289	153	304	161	541	568	1082	1136	1623	1704
0,600	22,5	253	152	266	159	607	637	1213	1274	1820	1911
0,670	21,5	224	150	235	157	668	702	1336	1403	2004	2105
0,750	20,5	197	148	207	155	737	774	1475	1549	2212	2323
0,850	19,5	171	146	180	153	824	865	1648	1730	2472	2595

### PERFORMANCE DATA\*

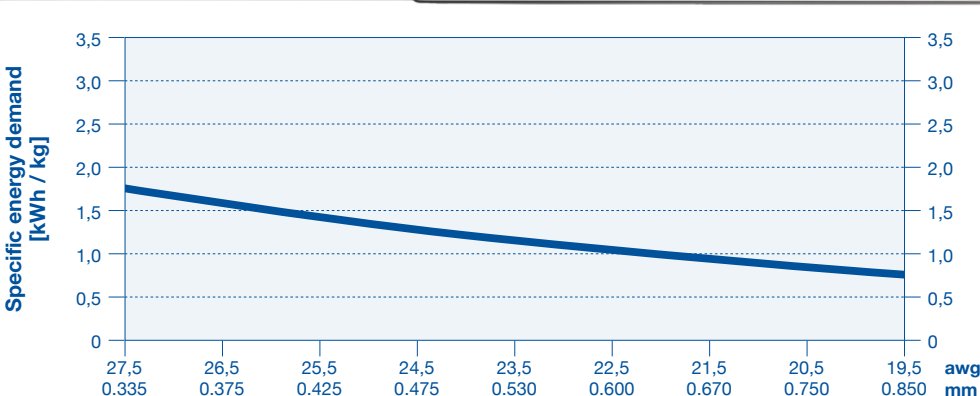


\* values for grade 2 application (G2) are approx. 5% lower  
\* values for PAI overcoat are approx. 5% lower than for PEI

\* 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 36% 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.