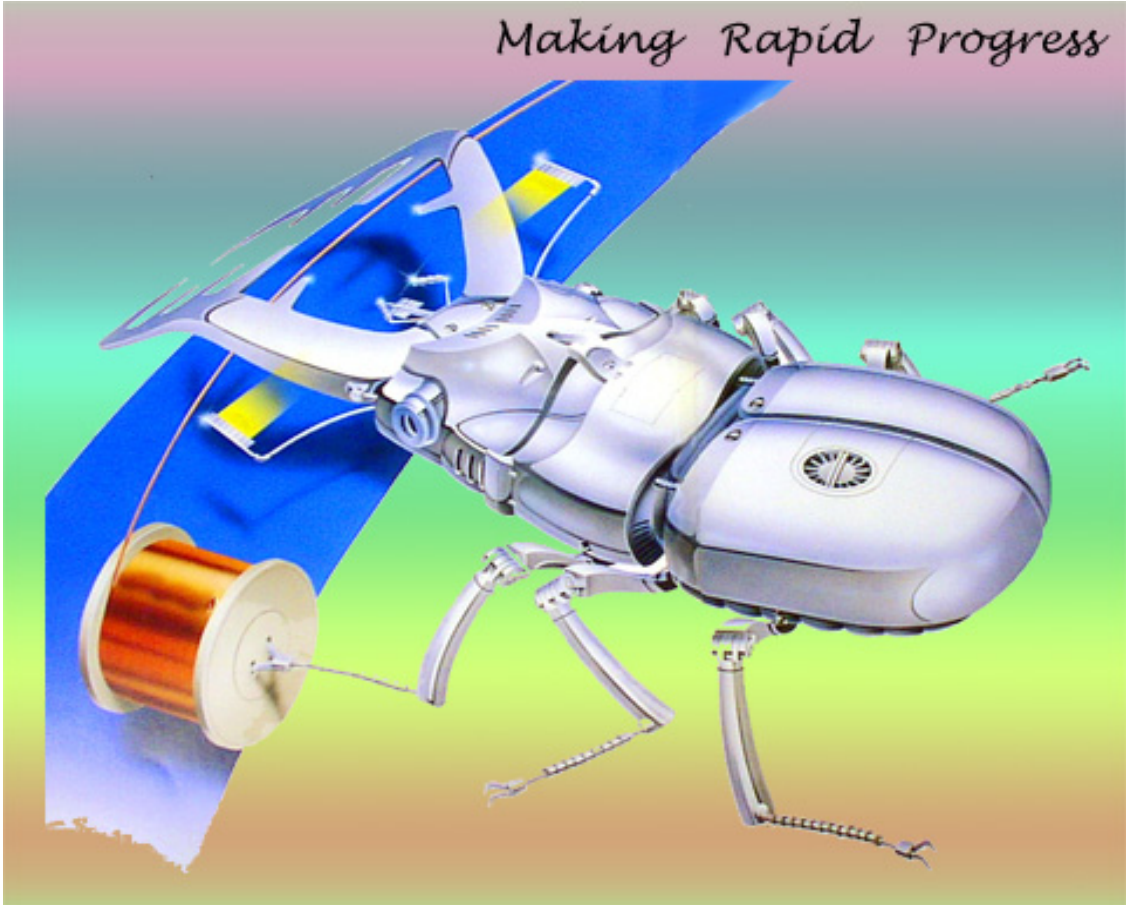


Machines for Magnet Wire



Model of Machine

KVC(HE)M

Vertical high speed enamelling machine with heat exchange system

KUHARA SEISAKUSHO CO., LTD.



Address : 4-11-3, Kajihara, Takatsuki, Osaka, Japan
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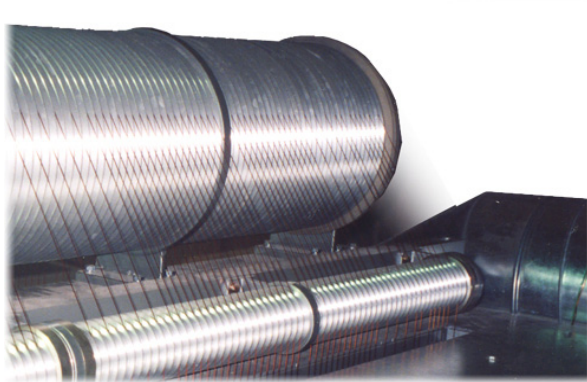
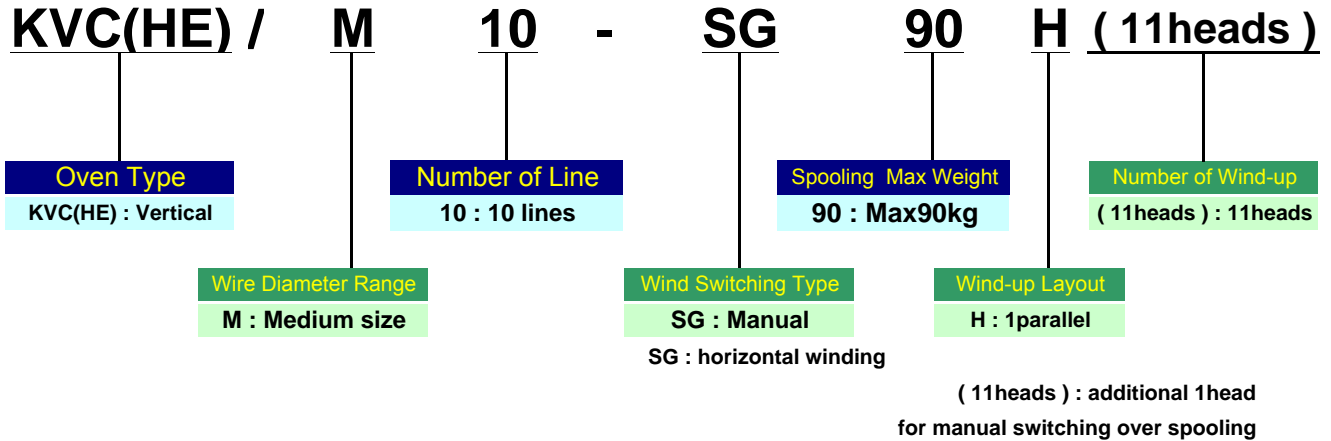
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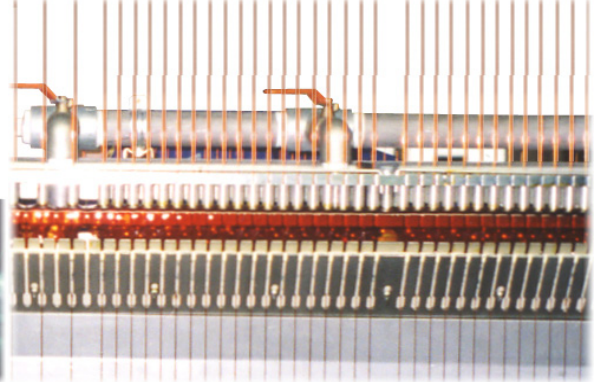
KVC(HE)M

Vertical high speed enamelling machine with heat exchange system

Model



TOP OF COATING OVEN



APPLICATOR

Description

This KVC(HE)M is the latest high speed vertical machine for medium size wire.

This KVC(HE)M can be saved energy due to Re-circulating hot air in oven inside and due to exchange exhaust heat which occurs oven inside. That makes a contribution for maintaining high temperature of oven inside.

Vertical oven makes contribution for productiong insulated enamel wires uniformly.

Specification

MODEL	KVC(HE)M10-SG90H(11heads)
Wire Diameter Range	0.5 - 1.5 mmφ
Speed Range	(Max) 80 m/min
Number of Chamber in 1 Oven	1 chamber
Max. Number of Line (per 1 Chamber)	10 lines
Max. Coating Time (per 1 Line)	9 times
Wire Passes	90 passes
Method of Enamel Wiping	floating type die wiping
Wire Line in Oven	16 mm(between wire lines)
Running Power	82 - 105 kw(estimate)
Electric Capacity	234 kw(estimate)

Technical Data

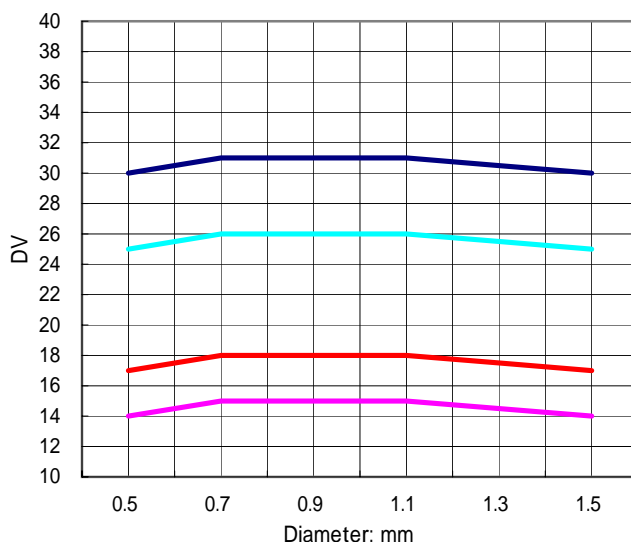
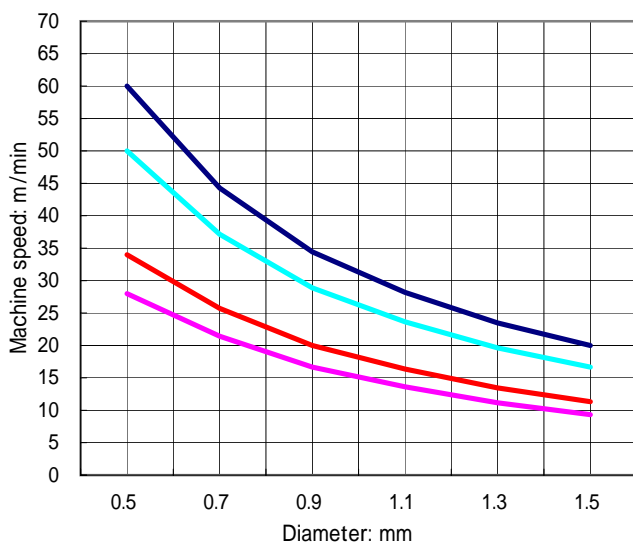
Type of Heater	PU	PEI
Standard Heater		
Infrared Heater		

Please make sure the example of the color of bars.

Please be sure to confirm the graphs below."PU" means "PU(class F)"

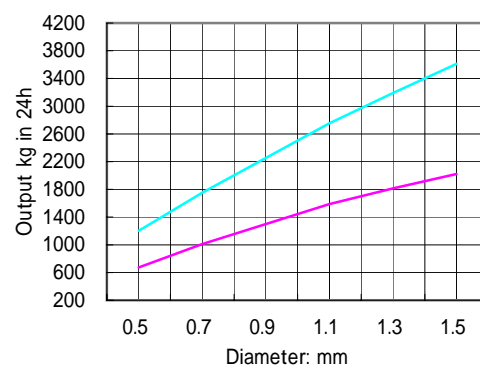
- * These data are based on "class#1 of JIS(Japan Industrial Standard) qualification".
- * Depend on suitable puroduction materials and conditions.
- * Production for over coating wire will decline about 10% than production for single coating wire.
- * Finished product applicable to JIS(Japan Industrial Standard) qualification.

Guaranteed Production Speed

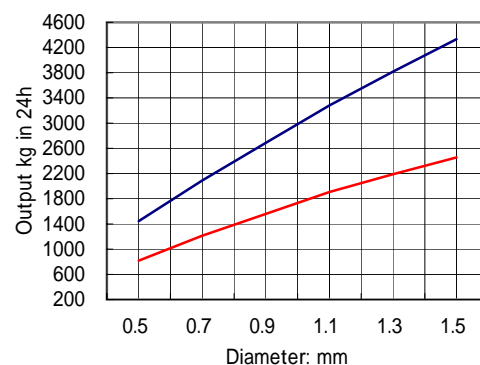


Output kg in 24 hours

Diameter: mmφ	Standard Heater			
	1 head		10 heads	
	PU	PEI	PU	PEI
0.5	120	67	1203	674
0.7	175	101	1752	1011
0.9	225	130	2253	1300
1.1	275	159	2753	1588
1.3	319	181	3191	1815
1.5	361	202	3610	2022

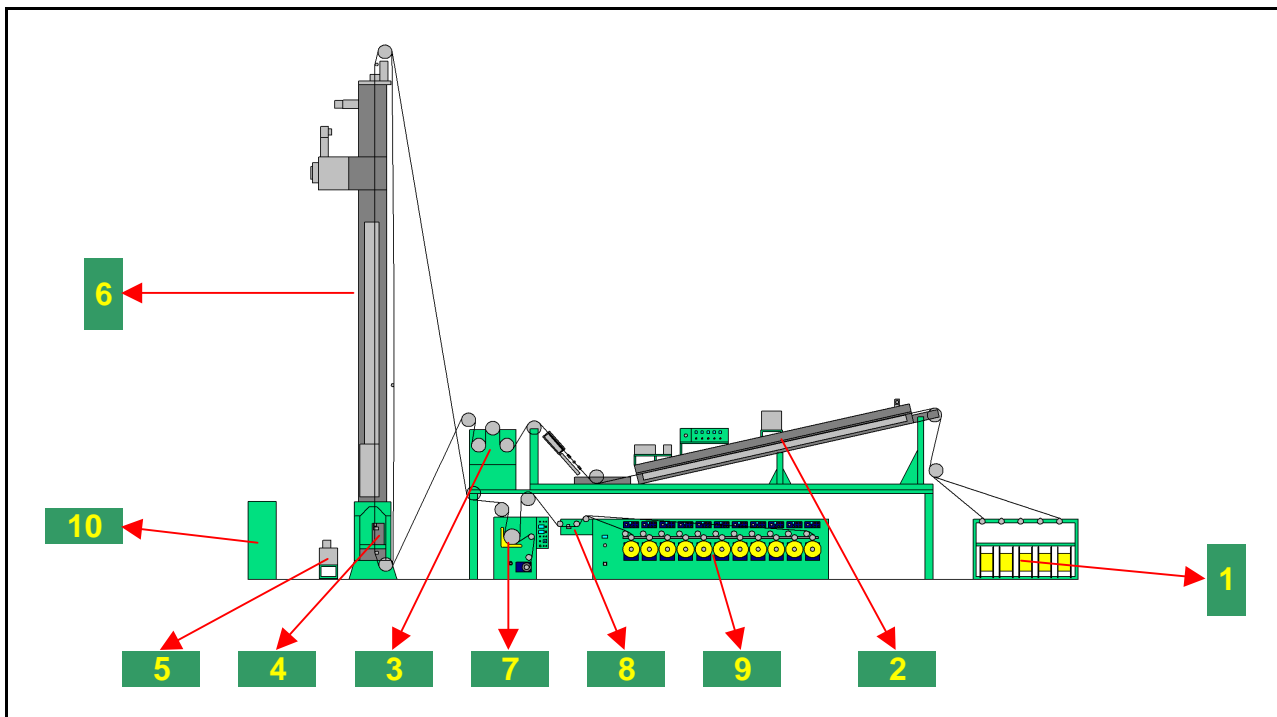


Diameter: mmφ	Infrared Heater			
	1 head		10 heads	
	PU	PEI	PU	PEI
0.5	144	82	1444	818
0.7	209	121	2089	1213
0.9	269	156	2686	1560
1.1	328	191	3283	1906
1.3	382	219	3817	2190
1.5	433	245	4332	2455



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Components of Machine



1 Supply Device

Spooling attachment for 10 heads (horizontal type) x 1 unit equipped

recommendation model	standard model

2 Annealing Oven

7000mm(L) x 750mm(W) x 500mm(T), 10 pipes x 1 chamber, Heated water bath type.
Air wiping system & Electric heat type dryer system & Steam generator equipped.

recommendation model	standard model

3 Draw-out Machine

1-speed type with 350mmφ double roll device

recommendation model	standard model

4 Applicator

Floating type die wiping attachment. Enamel heater for applicator bath x 1 unit equipped.

recommendation model	standard model

5 Varnish Circulation Tank

60 liters with indirect heating and circulation system. Enamel supply pump equipped.

recommendation model	standard model

KVC(HE)M

6 Coating Oven

KVC(HE)M: 8000mm(L) x 2000mm(W) x 700mm(T) x 1 chamber, Heat exchange system, Exhaust fan x 1 equipped. Smoke extraction fan x 1 equipped.

Standard heater

Infrared heater

recommendation model	standard model

7 Take-up Machine

1-speed type with 350mmφ capstan roll device

recommendation model	standard model

8 Oil Coating Device

40mmφ coating roll device, Thermo control unit and circulating pump equipped.

recommendation model	standard model

9 Wind-up Machine

SG90H(11heads): 1-speed & 1-traverse type with manual switching over (horizontal). Bare wire alarm equipped.

recommendation model	standard model

10 Control Panel

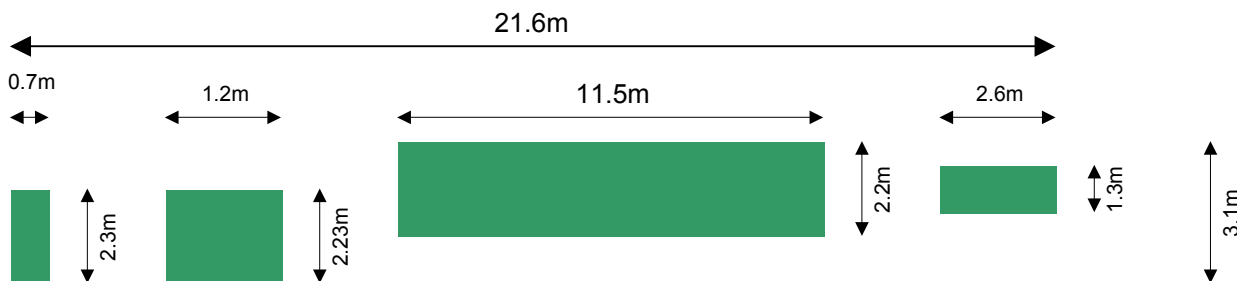
Cubicle type: 2300mm(W) x 2000mm(H) x 700mm(D), Temperature averaged controller system by 3 measuring points(left/center/right) at each lower, middle and upper section of oven inside, "PID" thermo control. 12 measuring points thermo recorder equipped. Watt-hour meter equipped.

recommendation model	standard model

* With regard to **6**, every items can be utilized.

Layout

KVC(HE)/M10-SG90H(11heads)



Max.(H) : 14m