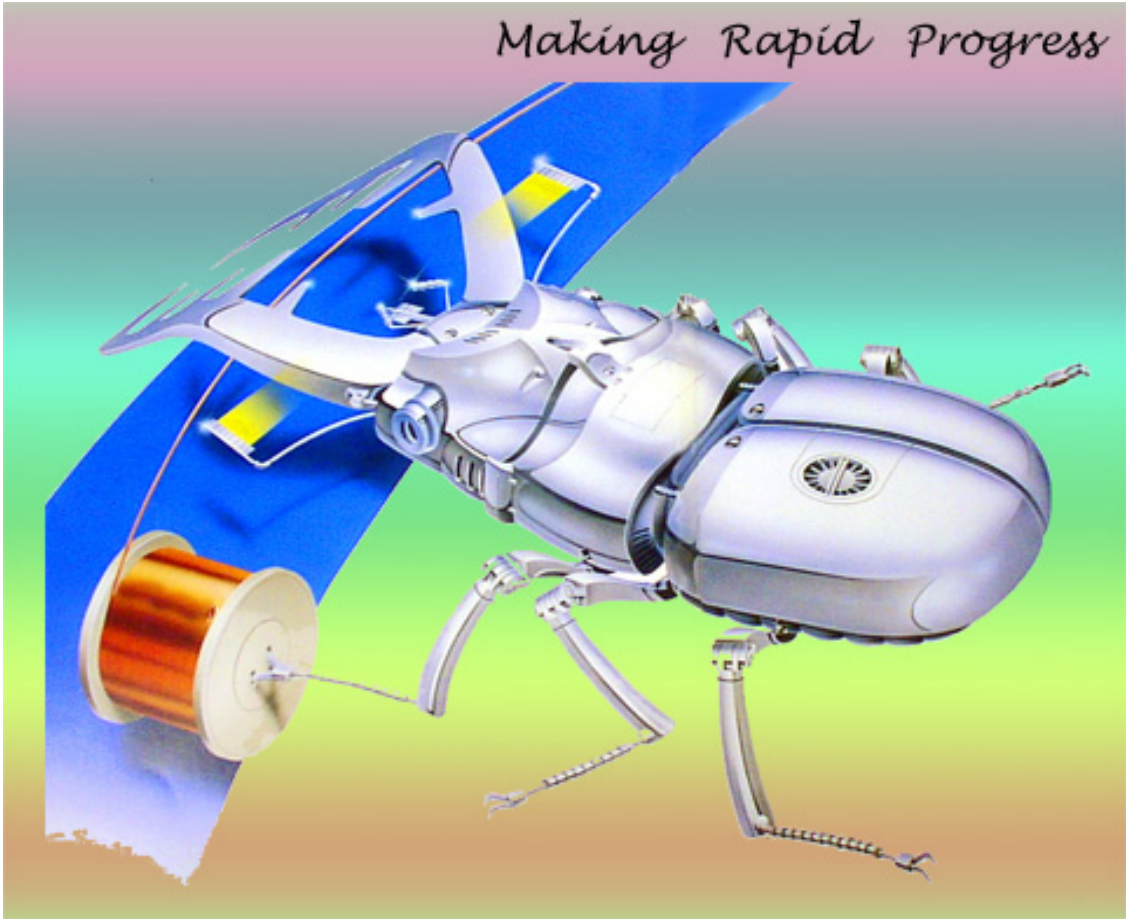


Machines for Magnet Wire



Model of Machine

KVC(HE)H

**Vertical high speed enamelling machine
with heat exchange system**

KUHARA SEISAKUSHO CO., LTD.



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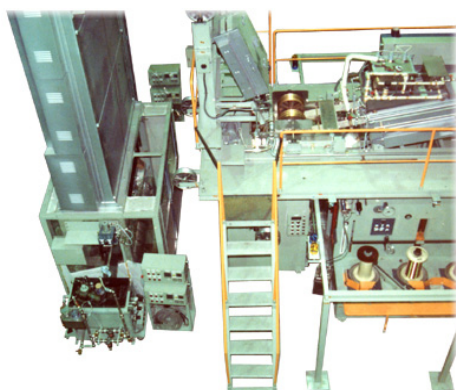
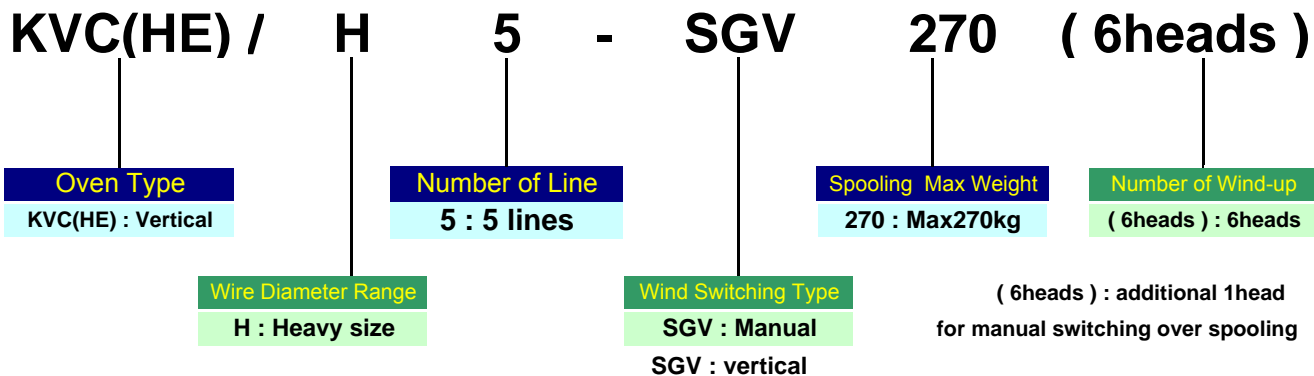
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KVC(HE)H

Vertical high speed enamelling machine with heat exchange system

Model



IN-LET OF COATING OVEN



WIND-UP UNIT

Description

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

This KVC(HE)H 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)/H5-SGV270(6heads)
Wire Diameter Range	1.0 - 3.0 mmφ
Speed Range	(Max) 40 m/min
Number of Chamber in 1 Oven	1 chamber
Max. Number of Line(per 1 Chamber)	5 lines
Max. Coating Time(per 1 Line)	12 times
Wire Passes	60 passes
Method of Enamel Wiping	floating type die wiping
Wire Line in Oven	20 mm(between wire lines)
Running Power	73 - 94 kw(estimate)
Electric Capacity	209 kw(estimate)

Technical Data

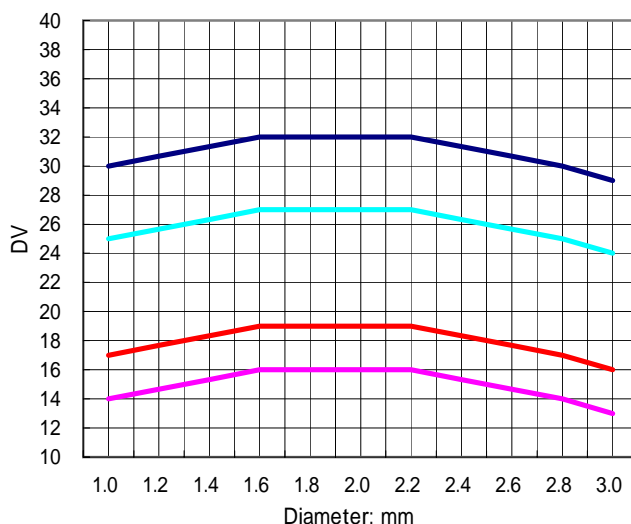
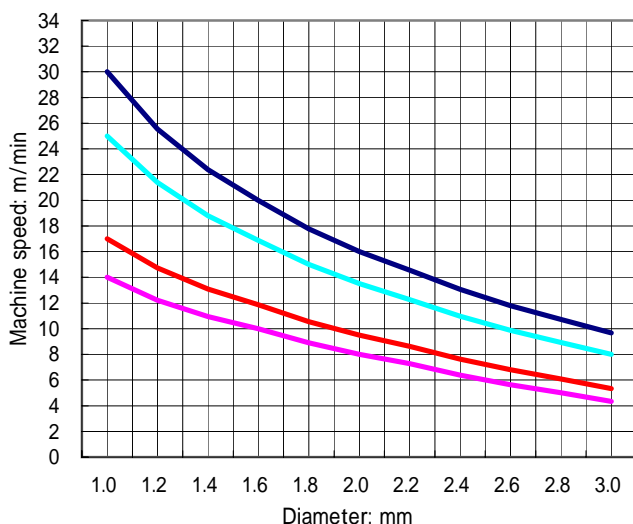
Type of Heater	PU	PEI
Standard Heater		
Infrared Heater		

Please make sure the example of the color of bars.

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

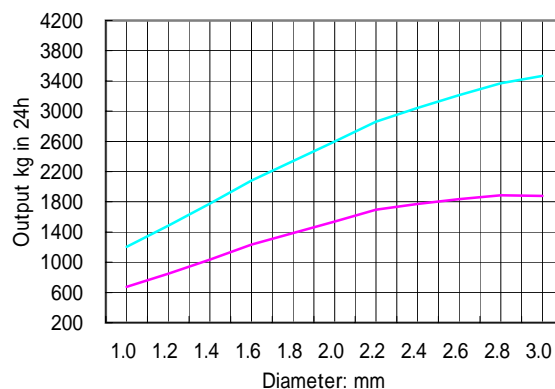
- * These data are based on "class#1 of JIS(Japan Industrial Standard) qualification".
- * Depend on suitable puroduction materials and conditions.
- * Production for over coating wire will decline about 10 % than production for single coating wire.
- * Finished product applicable to JIS(Japan Industrial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

Guaranteed Production Speed

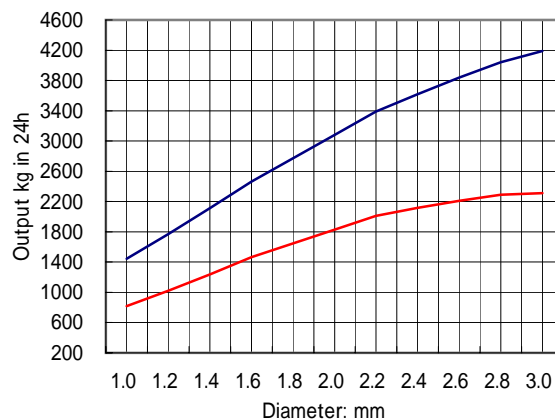


Output kg in 24 hours

Diameter: mmφ	Standard Heater			
	1 head		5heads	
	PU	PEI	PU	PEI
1.0	241	135	1203	674
1.2	297	169	1483	847
1.4	355	207	1774	1033
1.6	416	246	2079	1232
1.8	468	277	2339	1386
2.0	520	308	2599	1540
2.2	572	339	2859	1694
2.4	608	354	3042	1771
2.6	643	367	3213	1836
2.8	674	377	3369	1887
3.0	693	375	3466	1877

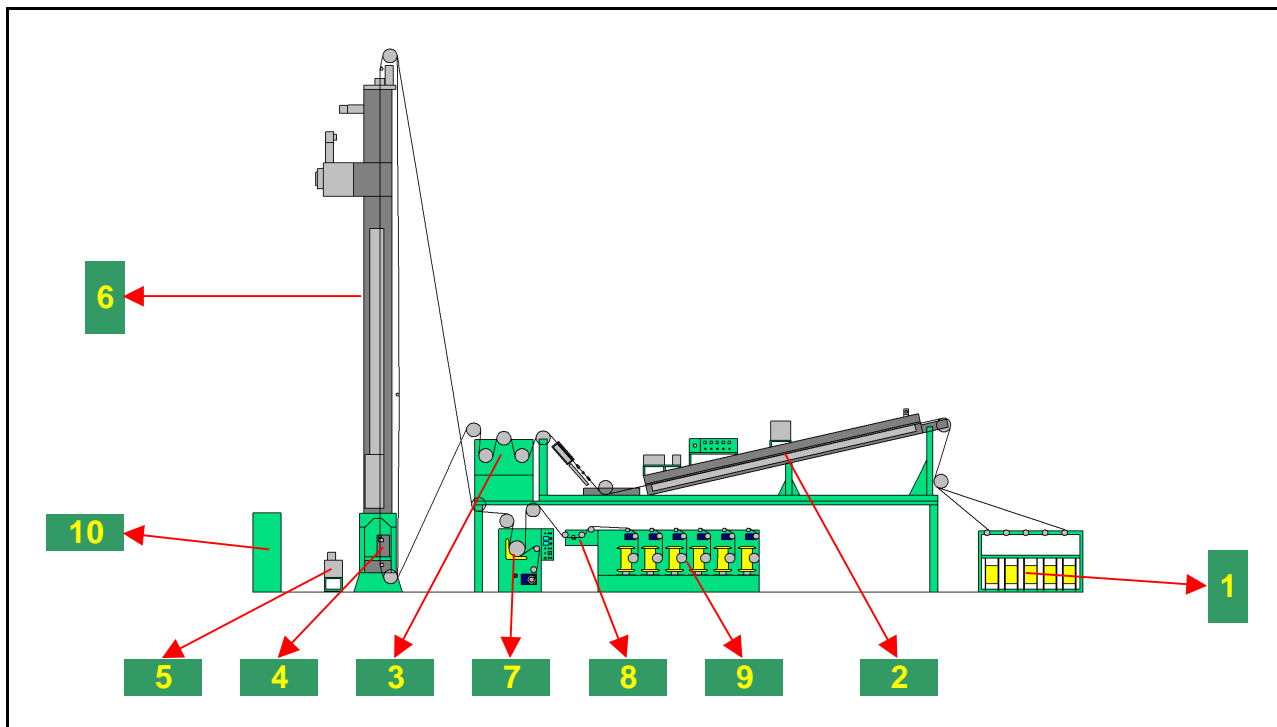


Diameter: mmφ	Infrared Heater			
	1 head		5heads	
	PU	PEI	PU	PEI
1.0	289	164	1444	818
1.2	354	204	1772	1021
1.4	422	247	2111	1235
1.6	493	293	2464	1463
1.8	554	329	2772	1646
2.0	616	366	3081	1829
2.2	678	402	3389	2012
2.4	724	423	3619	2117
2.6	768	442	3838	2211
2.8	809	458	4043	2291
3.0	838	462	4188	2310



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Components of Machine



1 Supply Device

recommendation model	standard model

Spooling attachment for 5 heads (horizontal type) x 1 unit equipped.

2 Annealing Device

recommendation model	standard model

7000mm(L) x 650mm(W) x 500mm(T), 5 pipes x 1 chamber, Heated water bath type.
Air wiping system & Electric heat type dryer system & Steam generator equipped.

3 Draw-out Machine

recommendation model	standard model

1-speed type with 450mmφ double roll device

4 Applicator

recommendation model	standard model

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

5 Varnish Circulation Tank

recommendation model	standard model

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

KVC(HE)H

6 Coating Oven

KVC(HE)H: 8000mm(L) x 1800mm(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 450mmφ 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

SGV270(6heads): 1-speed & 1-traverse type with manual switching over (vertical). Bare wire alarm equipped.

recommendation model	standard model

10 Control Panel

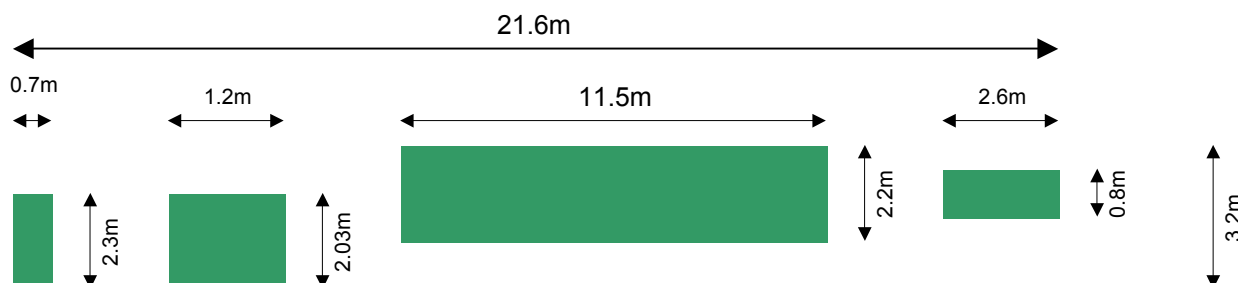
Cubicle type: 2300mm(W) x 2000mm(H) x 700mm(D), Temperature averaged controller system by 3 measuring points(left/center/right) at each lower, middle and upper section of oven inside, "PID" thermo control. 12 measuring points thermo recorder equipped. Watt-hour meter equipped.

recommendation model	standard model

* With regard to 6, every items can be utilized

Layout

KVC(HE)/H5-SGV270(6heads)



Max.(H) : 14m