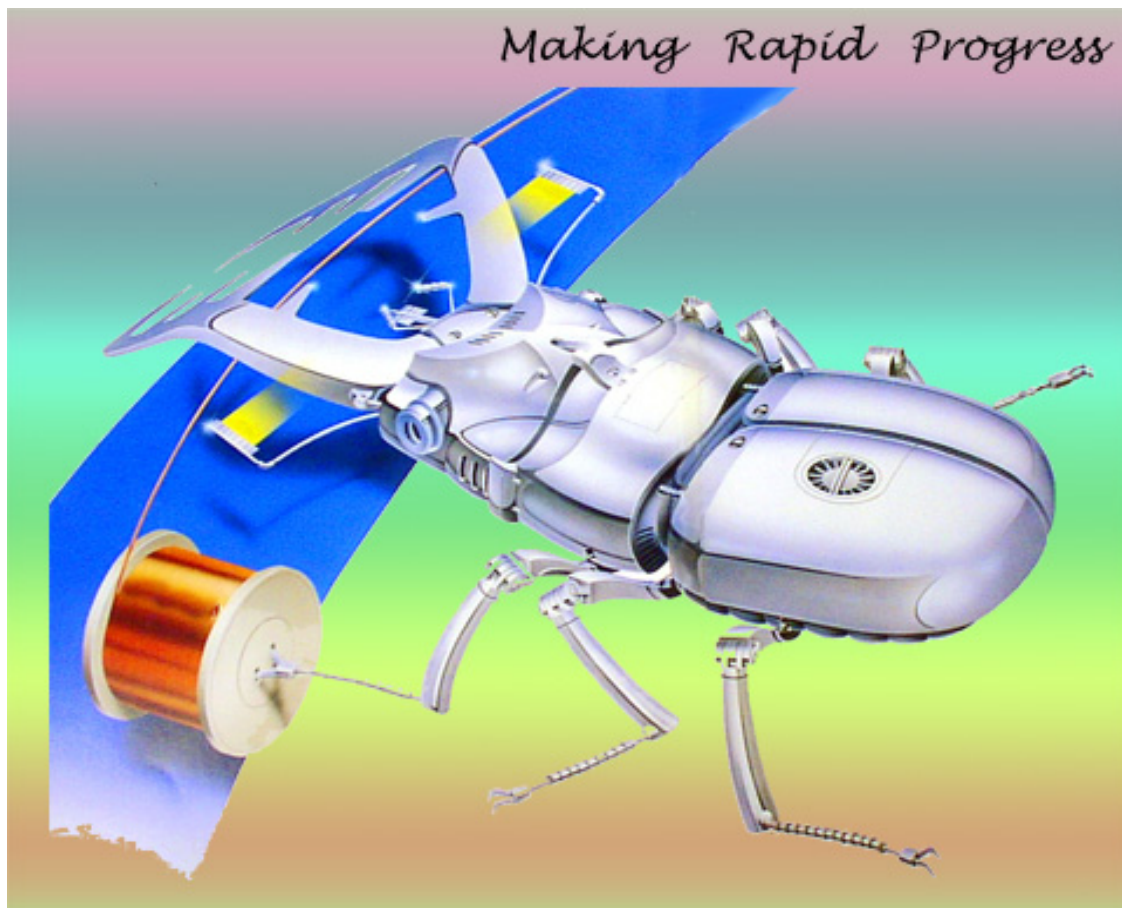


Machines for Magnet Wire



Model of Machine

AH330

**Horizontal high speed enamelling machine
with hot air Re-circulation system**

KUHARA SEISAKUSHO CO., LTD.



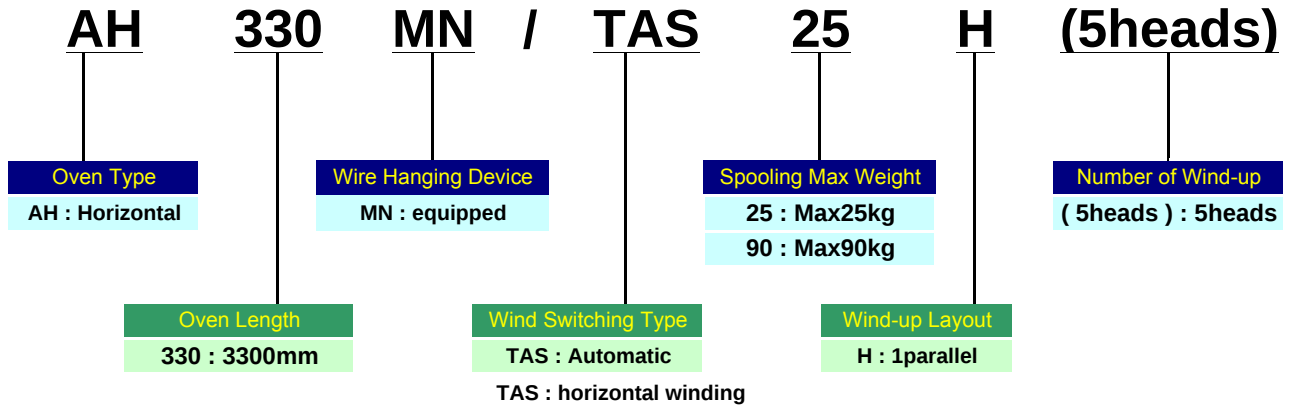
Address : 4-11-3, Kajihara, Takatsuki, Osaka, Japan
Zip-code : 569-0091

Phone# : ++81-72-669-2181
FAX# : ++81-72-669-3028

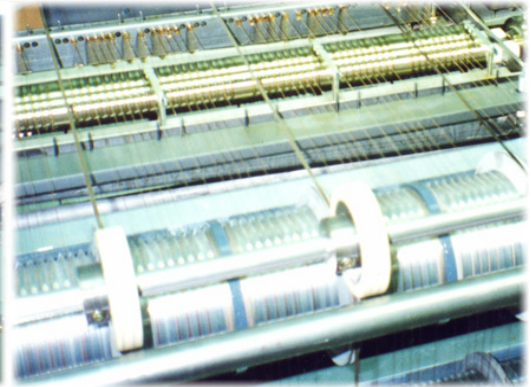
E-Mail : info@kuhara-net.co.jp
Web-Site : <http://www.kuhara-net.co.jp>

AH330

Horizontal high speed enamelling machine with hot air Re-circulation system

Model

COATING OVEN



APPLICATOR

Description

This AH330 is the latest horizontal machine for mass production of general purpose wire.

This AH330 has a energy saving system with Re-circulating hot air in oven inside.

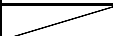
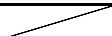
AH330 can be utilized in-line drawing machine and spark tester as normal equipment.

AH330 also can be utilized horizontal automatic wind-up machine for 25kg or 90kg spooling depending on your need.

Specification

MODEL	25H	90H
AH330MN/TAS*****	(5 heads)	
Wire Diameter Range	0.15 - 0.45 mmφ	0.20 - 0.60 mmφ
Speed Range	(Max) 300 m/min	(Max) 250 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)	8 times	
Wire Passes	40 passes	
Method of Enamel Wiping	felt & die wiping (compatible)	die wiping
Wire Line in Oven	7 mm(between wire lines), 1150 mm(height from the floor)	
Running Power	27 - 35 kw(estimate)	29 - 38 kw(estimate)
Electric Capacity	77 kw(estimate)	84 kw(estimate)

Technical Data

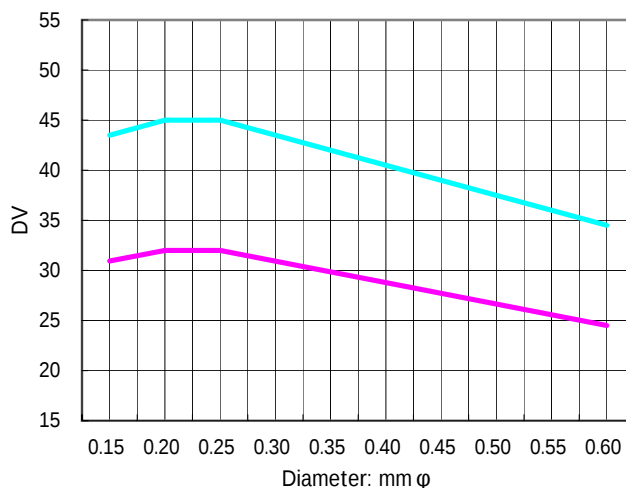
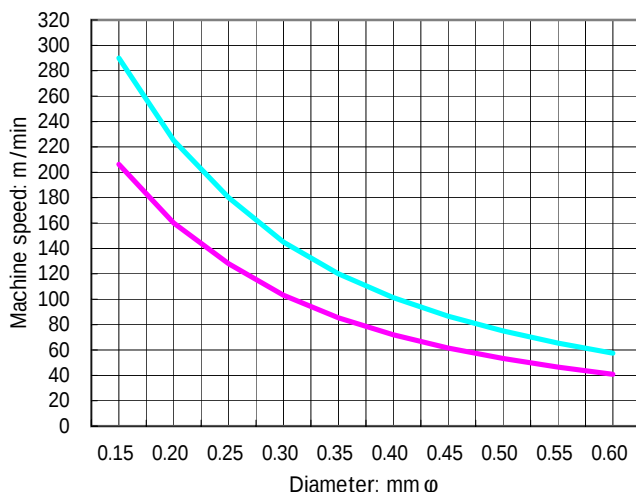
Type of Heater	PU	PE
Standard Heater		
Infrared Heater		

Please make sure the example of the color of bars.

Please be sure to confirm the graphs below.

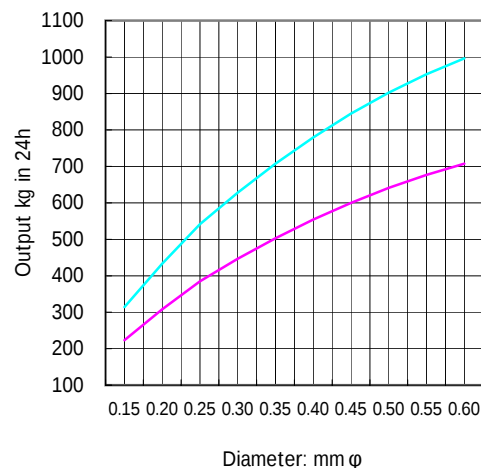
- * These data are based on "class#1 of JIS(Japan Industrial Standard) qualification".
- * Depend on suitable puroduction materials and conditions.
- * Production for over coating wire will decline about 10% than production for single coating wire.
- * Finished product applicable to JIS(Japan Industrial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

Guaranteed Production Speed



Output kg in 24 hours

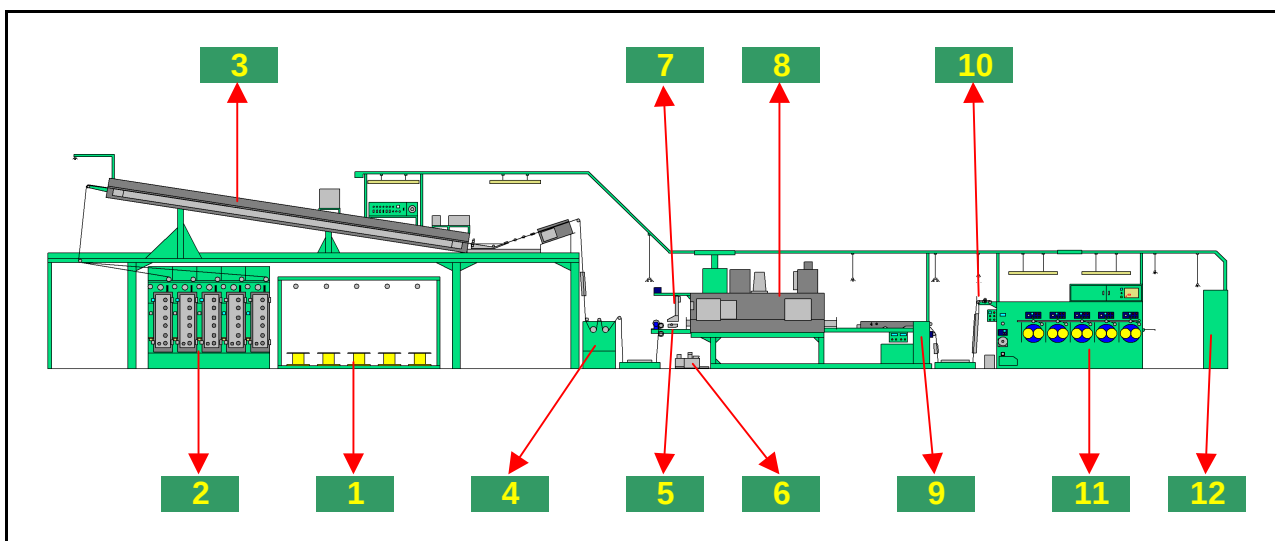
Diameter: mmφ	Standard Heater			
	1 head		5 heads	
	PU	PE	PU	PE
0.15	63	45	314	223
0.20	87	62	433	308
0.25	108	77	542	385
0.30	126	89	628	447
0.35	142	101	708	503
0.40	156	111	780	554
0.45	169	120	845	600
0.50	181	128	903	641
0.55	191	135	953	677
0.60	199	142	996	708



Diameter: mmφ	Infrared Heater			
	1 head		5 heads	
	PU	PE	PU	PE
0.15	-	-	-	-
0.20	-	-	-	-
0.25	-	-	-	-
0.30	-	-	-	-
0.35	-	-	-	-
0.40	-	-	-	-
0.45	-	-	-	-
0.50	-	-	-	-
0.55	-	-	-	-
0.60	-	-	-	-

Unauthorized duplication is prohibited.

Components of Machine



1 Supply Device

Wire line guide & spooling attachment(vertical type for 5 heads) × 1 unit, Independent installation.
Curl flyer: 10 units attached.

recommendation model	standard model
	●

2 In-line Drawing Machine

5 heads(Max) 7 dies type. Installed under operation deck of annealing oven.

recommendation model	standard model
	●

3 Annealing Oven

0.15-0.45mmφ

7000mm(L) x 600mm(W) x 500mm(T), 5 pipes x 1 chamber, Heated water bath type.
2 steps type air wiping system & Hot air Re-circulation type dryer & Steam generator equipped.

recommendation model	standard model
	●

0.20-0.60mmφ

9000mm(L) x 600mm(W) x 500mm(T), 5 pipes x 1 chamber, Heated water bath type.
2 steps type air wiping system & Hot air Re-circulation type dryer & Steam generator equipped.

	●
--	---

4 Draw-out Machine

1-speed type with 150mmφ double roll device

recommendation model	standard model
	●

5 Applicator

0.15-0.45mmφ

1 bath 1-speed type with 60mmφ coating roll device. Felt & die wiping attachment(compatible).
Level detector system and enamel heater for applicator bath equipped.

recommendation model	standard model
	●

0.20-0.60mmφ

1 bath 1-speed type with 60mmφ coating roll device. Die wiping attachment.
Level detector system and enamel heater for applicator bath equipped.

	●
--	---

6 Varnish Circulation Tank

20 liters with indirect heating and circulation system

20 liters with automatic viscosity control system

recommendation model	standard model
	●
●	

7 Partial Exhaust Device

1 motor type

recommendation model	standard model
	●

8 Coating Oven

AH330: 3300mm(L) x 800mm(W) x 1000mm(T) x 1 chamber, Hot air Re-circulating system, MN wire hanging device and Exhaust fan x 1 equipped.

Standard heater

recommendation model	standard model
	●
	●

9 Take-up Machine

1-speed type with 120mmφ taper capstan roll device (water cooling type), Wire adhesion alarm equipped.

recommendation model	standard model
	●

10 Oil Coating Device

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

recommendation model	standard model
	●

11 Wind-up Machine

0.15-0.45mmφ

TAS25H(5 heads) 1-speed & 1-traverse type with automatic swithing over (horizontal). Spark tester for 5 heads attached. Wire break down detector(auto stop system) equipped. Bare wire alarm equipped.

0.20-0.60mmφ

TAS90H(5 heads) 1-speed & 1-traverse type with automatic swithing over (horizontal). Spark tester for 5 heads attached. Wire break down detector(auto stop system) equipped. Bare wire alarm equipped.

recommendation model	standard model
	●
	●

12 Control Panel

Cubicle type: 1600mm(W) x 2000mm(H) x 600mm(D), "PID" thermo control.

12 measuring points thermo recorder equipped. Watt-hour meter equipped.

recommendation model	standard model
	●

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

Layout

AH330MN/TAS25・90H(5heads)

