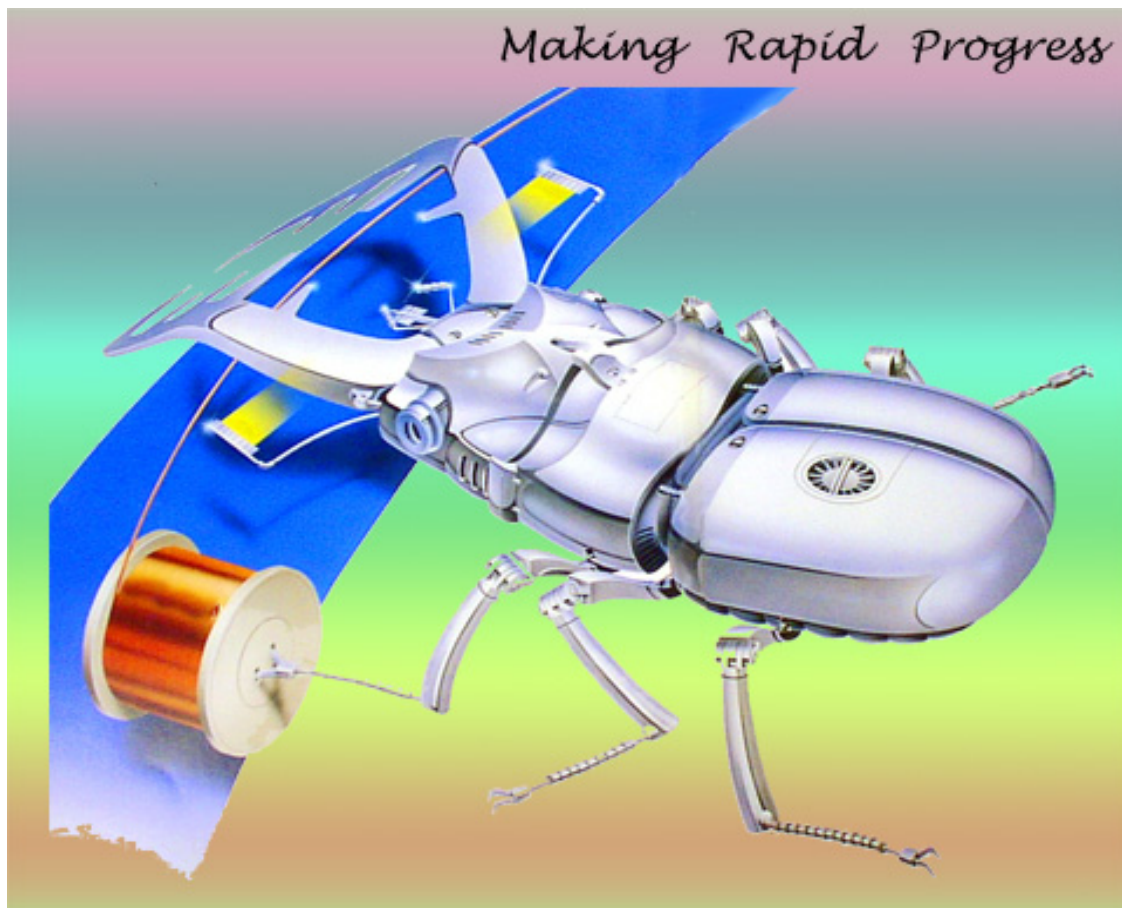


Machines for Magnet Wire



Model of Machine

AH400

**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

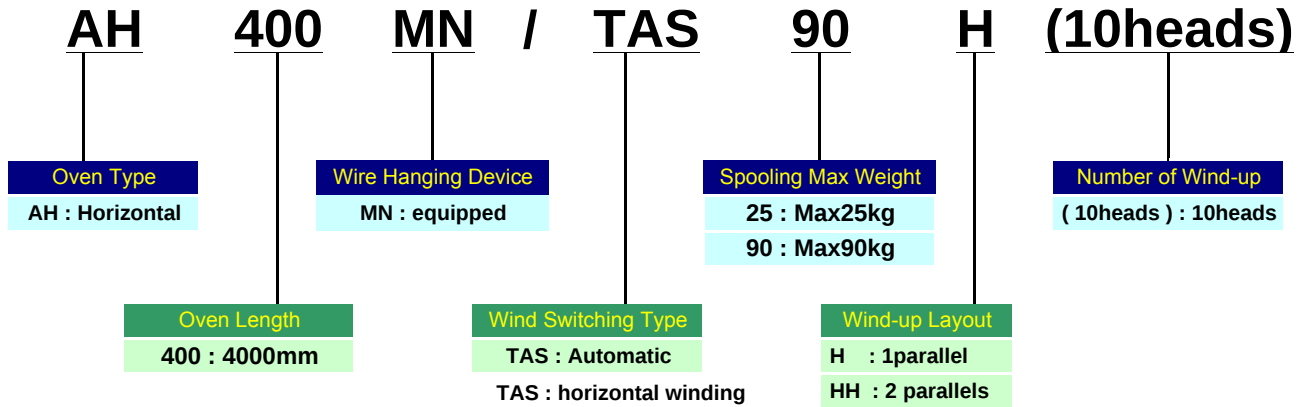
Phone# : ++81-72-669-2181
FAX# : ++81-72-669-3028

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

AH400

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

Model



WIND-UP MACHINE



COATING OVEN

Description

This AH400 is the latest horizontal machine for mass production of general purpose wire.

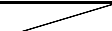
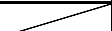
This AH400 has a energy saving system with Re-circulating hot air in oven inside.

AH400 can be utilized horizontal automatic wind-up machine for 25kg or 90kg spooling depending on your need.

Specification

MODEL	25HH	90H
AH400MN/TAS*****	(10 heads)	
Wire Diameter Range	0.15 - 0.45 mmφ	0.20 - 0.60 mmφ
Speed Range	(Max) 400 m/min	(Max) 300 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)	13 times	
Wire Passes	130 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	39 - 50 kw(estimate)	41 - 53 kw(estimate)
Electric Capacity	112 kw(estimate)	117 kw(estimate)

Technical Data

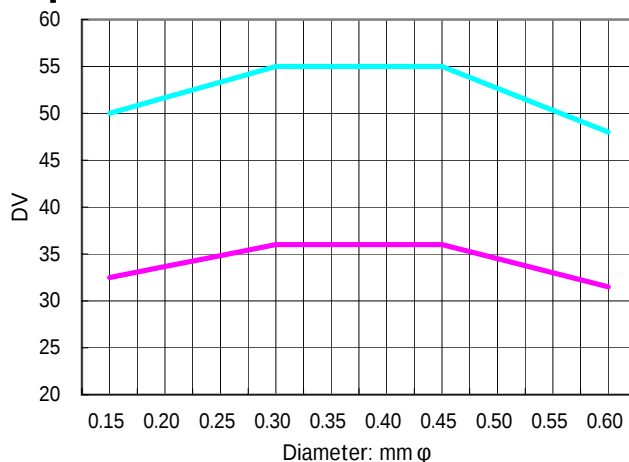
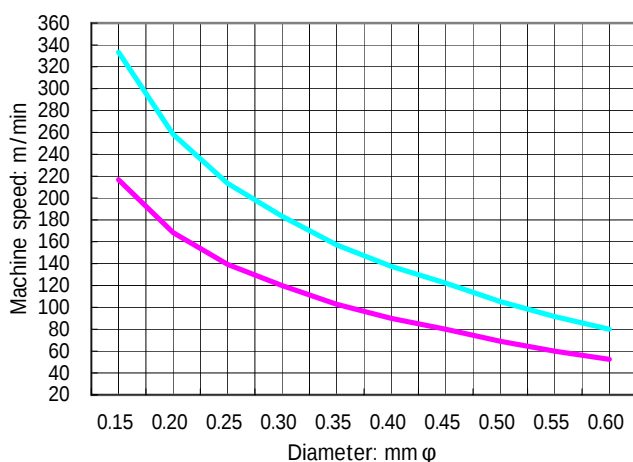
Type of Heater	PU	PE
Standard Heater		
Infrared Heater		

Please make sure the example of the color of bars.

Please be sure to confirm the graphs below.

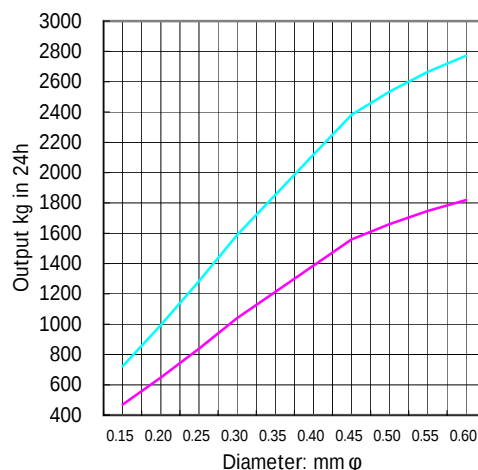
- * These data are based on "class#1 of JIS(Japan Industrial Standard) qualification".
- * Depend on suitable puroduction materials and conditions.
- * Production for over coating wire will decline about 10% than production for single coating wire.
- * Finished product applicable to JIS(Japan Industrial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

Guaranteed Production Speed



Output kg in 24 hours

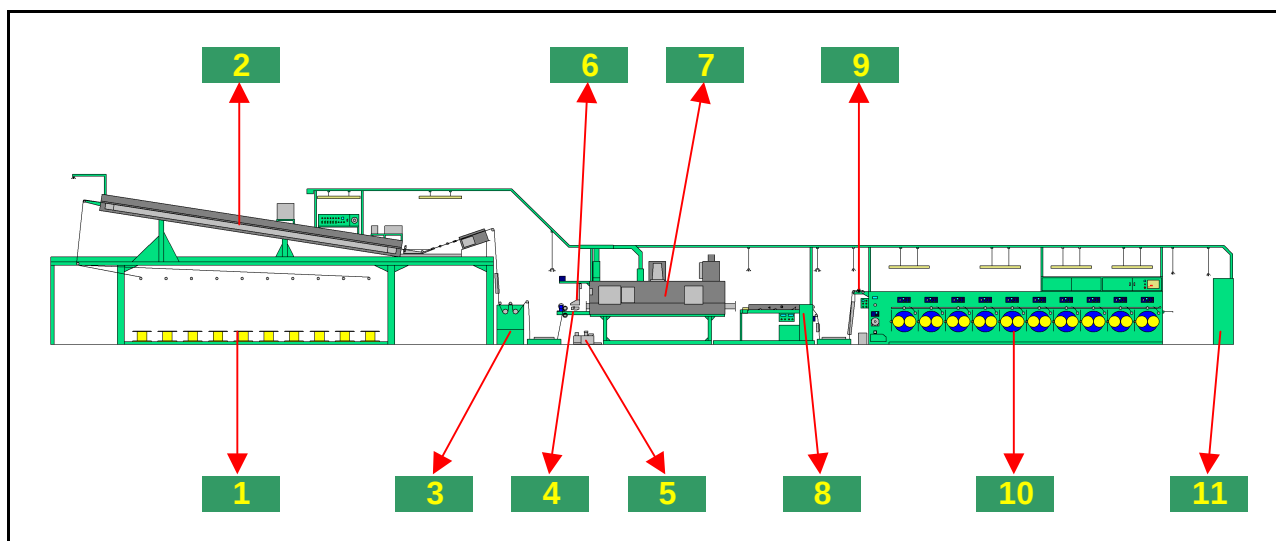
Diameter: mmφ	Standard Heater			
	1 head		5 heads	
	PU	PE	PU	PE
0.15	72	47	722	469
0.20	99	65	995	648
0.25	128	84	1284	838
0.30	159	104	1588	1040
0.35	185	121	1853	1213
0.40	212	139	2118	1386
0.45	238	156	2383	1560
0.50	254	166	2535	1661
0.55	266	175	2665	1747
0.60	277	182	2772	1819



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

Installed under operation deck of annealing oven.
Wire line guide & spooling attachment(vertical type for 10 heads) ×1 unit. Curl flyer: 20 units attached.

recommendation model	standard model
	●

2 Annealing Oven

9000mm(L) x 750mm(W) x 500mm(T), 10 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
	●

3 Draw-out Machine

1-speed type with 150mmφ double roll device

recommendation model	standard model
	●

4 Applicator

0.15-0.45mmφ

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

	●
--	---

5 Varnish Circulation Tank

20 liters with indirect heating and circulation system

20 liters with automatic viscosity control system

recommendation model	standard model
	●
●	

6 Partial Exhaust Device

1 motor type

recommendation model	standard model
	●

7 Coating Oven

AH400: 4000mm(L) x 1500mm(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
	●
	●

8 Take-up Machine

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

recommendation model	standard model
	●

9 Oil Coating Device

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

recommendation model	standard model
	●

10 Wind-up Machine

0.15-0.45mmφ

TAS25HH(10 heads) 1-speed & 1-traverse type with automatic switching over (horizontal).

Wire break down detector(auto stop system) equipped. Bare wire alarm equipped.

recommendation model	standard model
	●

0.20-0.60mmφ

TAS90H(10 heads) 1-speed & 1-traverse type with automatic switching over (horizontal).

Wire break down detector(auto stop system) equipped. Bare wire alarm equipped.

	●
--	---

11 Control Panel

Cubicle type: 2300mm(W) x 2000mm(H) x 600mm(D), Temperature average controller system by 3 measuring points (left/center/right) at Heater & , "PID" thermo control, 12 measuring points thermo recorder equipped. Watt-hour meter equipped.

recommendation model	standard model
	●

* With regard to **5**, every items can be utilized.

Layout

AH400MN/TAS25HH•90H(10heads)

