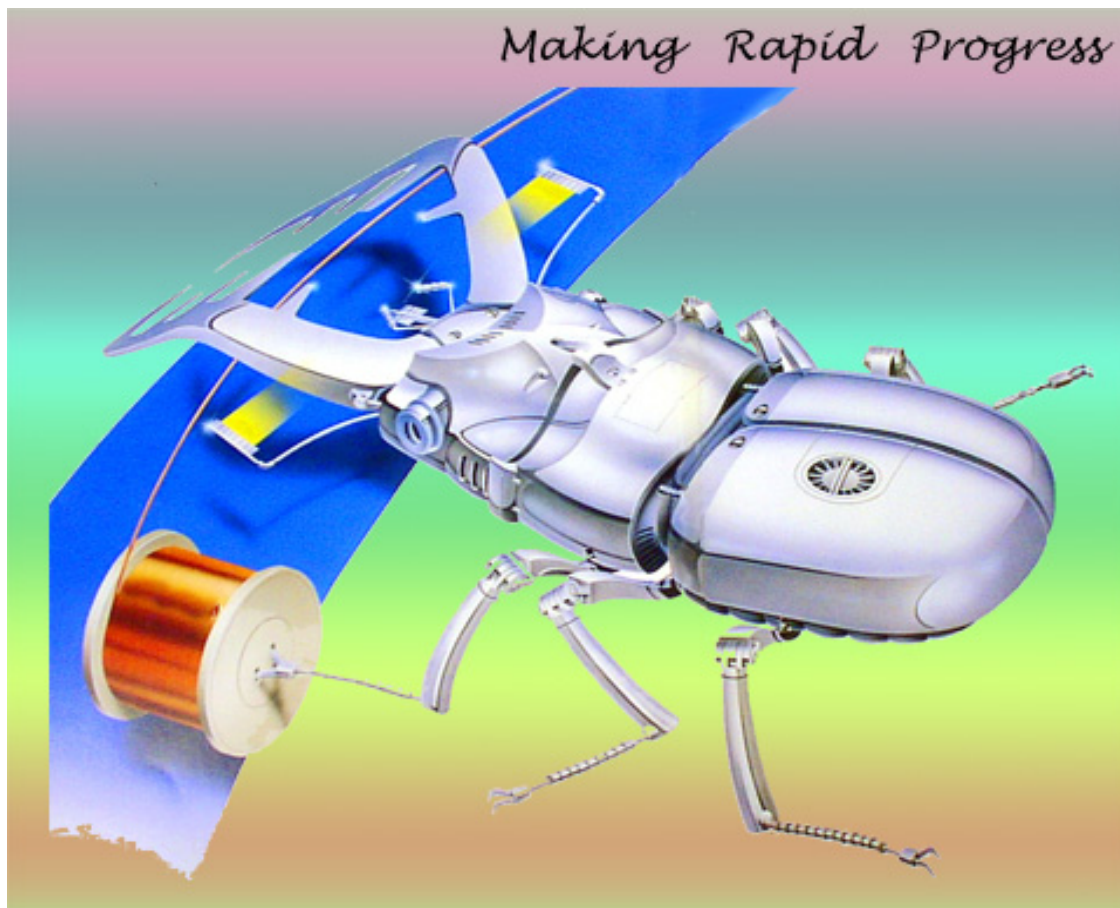


Machines for Magnet Wire



Model of Machine

SFW1400

**Horizontal high speed enamelling machine
for Super Fine Wire**

KUHARA SEISAKUSHO CO., LTD.



Address : 4-11-3, Kajihara, Takatsuki, Osaka, Japan
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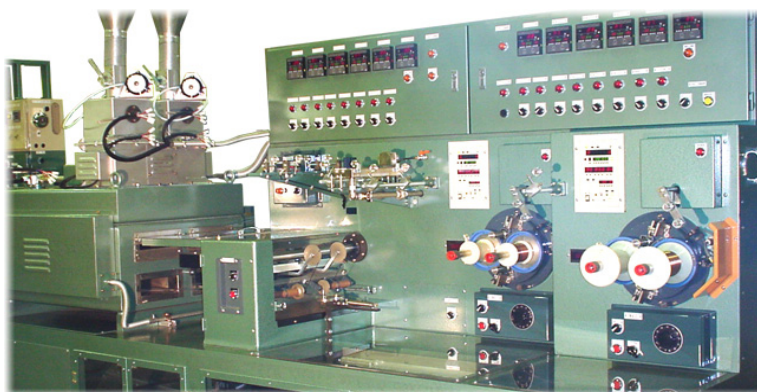
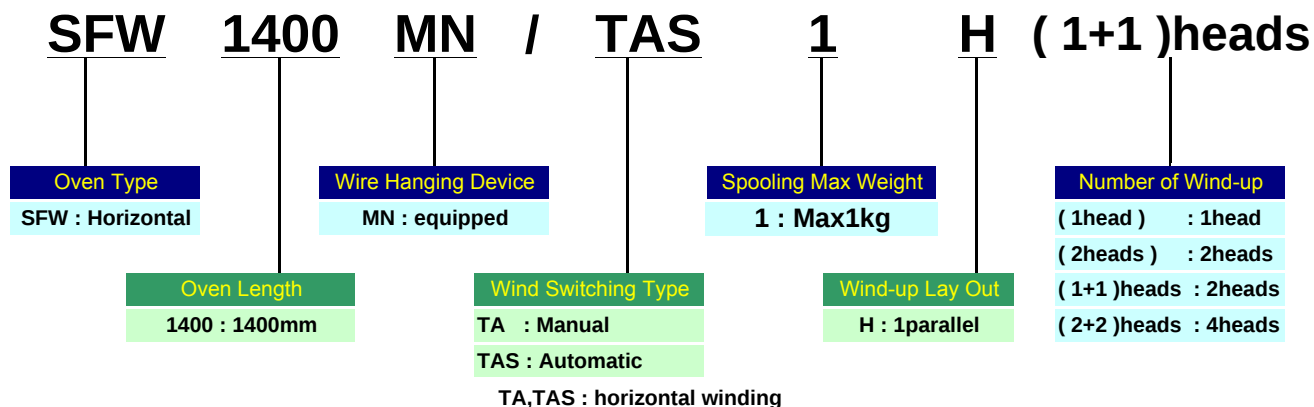
Phone# : ++81-72-669-2181
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Web-Site : <http://www.kuhara-net.co.jp>

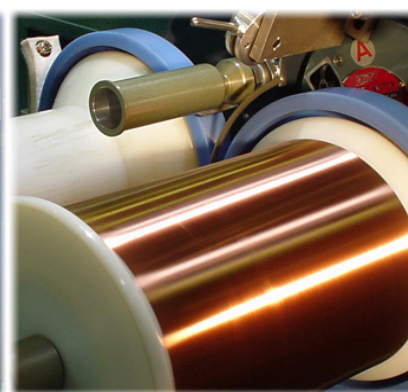
SFW1400

Horizontal high speed enamelling machine for Super Fine Wire

Model



TAKE-UP & WIND-UP



WIND-UP UNIT

Description

This" SFW1400" is the latest machine for Super Fine Wire with superior technology.

Stability of this machine satisfies you for making high quality wires. We have many good reputations from our users with regard to stability of this machine. OR type spooling also can utilize according to the latest technology.

This machine has compact design and simple operation and easy to install in your plant.

8 grades can be utilized depending on your need for instance automatic switching over type or multi-lines type .

Specification

MODEL	TA	TAS	TA	TAS	TA	TAS	TA	TAS
SFW1400MN/**1H***	(1 head)		(2 heads)		(1+1)heads		(2+2)heads	
Wire Diameter Range	0.015 - 0.025 mmφ							
Speed Range	(Max) 650 m/min							
Number of Chamber in 1 Oven	1 chamber		1 chamber		2 chambers		2 chambers	
Max. Number of Line(per 1 Chamber)	1 line		2 lines		1 line		2 lines	
Max. Coating Time(per 1 Line)	30 times		15 times		30 times		15 times	
Wire Passes	30 passes				60 passes			
Method of Enamel Wiping	felt wiping							
Wire Line in Oven	5 mm(between wire lines)、1200 mm(height from the floor)							
Running Power	6 - 8 kw(estimate)				9 - 12 kw(estimate)		9 - 12 kw(estimate)	
Electric Capacity	16 kw(estimate)				25 kw(estimate)		26 kw(estimate)	

Technical Data

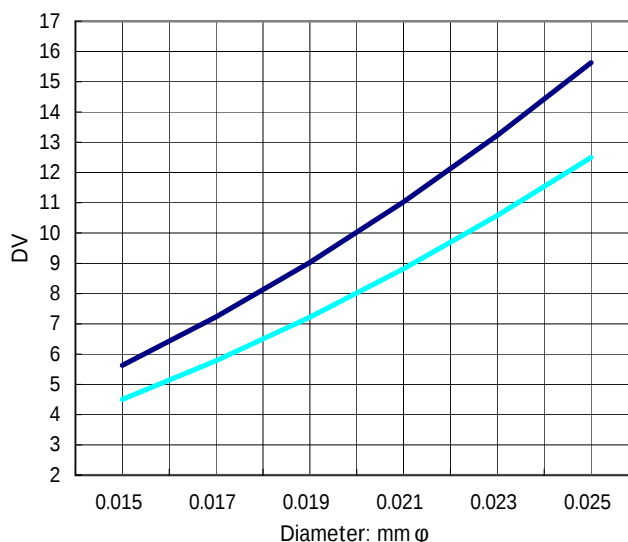
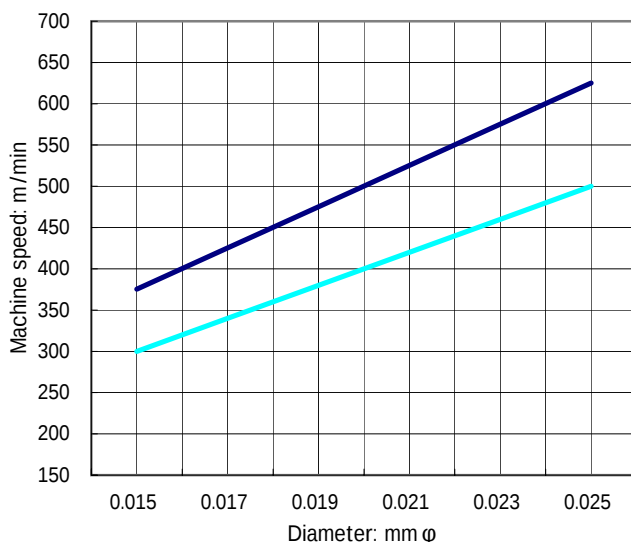
Type of Heater	PU	PEI
Standard Heater		
Infrared Heater		

Please make sure the example of the color of bars.

Please be sure to confirm the graphs below.

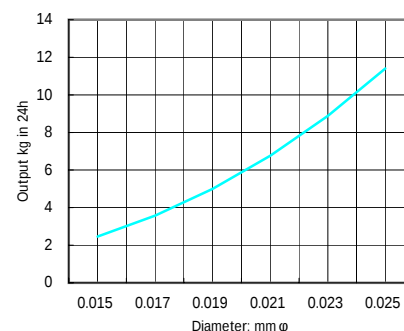
- * These data are based on "class#1 of JIS(Japan Industrial Standard) qualification".
- * Depend on suitable puroduction materials and conditions.
- * Production for over coating wire will decline about 10% than production for single coating wire.
- * Finished product applicable to JIS(Japan Industrial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

Guaranteed Production Speed

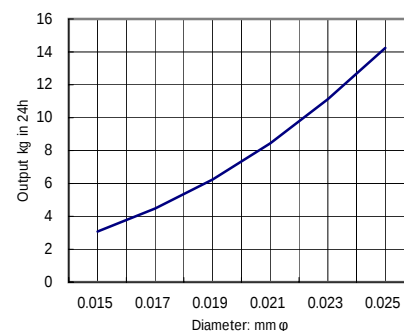


Output kg in 24 hours

Diameter: mmφ	Standard Heater					
	1 head		2 heads		4 heads	
	PU	PEI	PU	PEI	PU	PEI
0.015	0.62	-	1.23	-	2.46	-
0.017	0.90	-	1.79	-	3.58	-
0.019	1.25	-	2.50	-	5.00	-
0.021	1.69	-	3.38	-	6.76	-
0.023	2.22	-	4.44	-	8.88	-
0.025	2.85	-	5.70	-	11.40	-

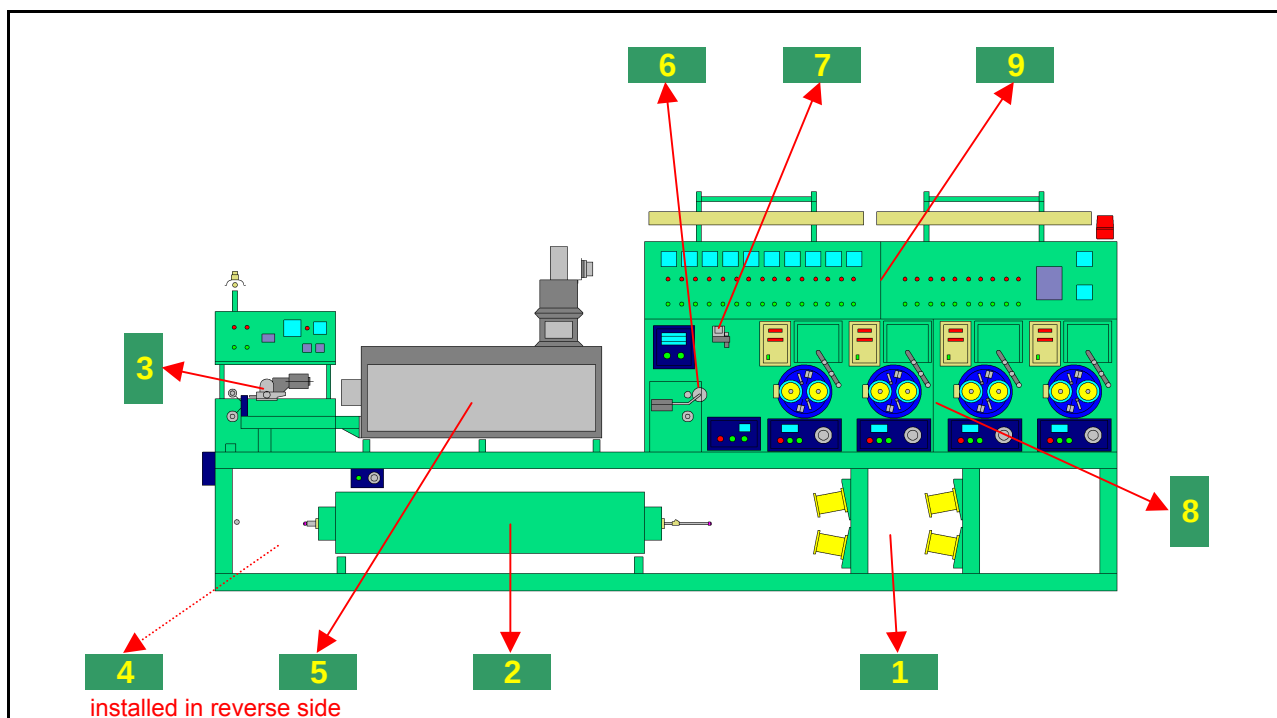


Diameter: mmφ	Infrared Heater					
	1 head		2 heads		4 heads	
	PU	PEI	PU	PEI	PU	PEI
0.015	0.77	-	1.54	-	3.08	-
0.017	1.12	-	2.24	-	4.48	-
0.019	1.56	-	3.12	-	6.24	-
0.021	2.11	-	4.22	-	8.44	-
0.023	2.78	-	5.56	-	11.12	-
0.025	3.56	-	7.12	-	14.24	-



Unauthorized duplication is prohibited.

Components of Machine



1 Supply Device

Wire line guide & spooling attachment (horizontal type for 1 head) × 1 unit equipped.

Curl flyer: 1 unit × 2 types attached.

Wire line guide & spooling attachment (horizontal type for 2 heads) × 1 unit equipped.

Curl flyer: 2 units × 2 types attached.

Wire line guide & spooling attachment (horizontal type for 2 heads) × 2 units equipped.

Curl flyer: 4 units × 2 types attached.

Number of Wind-up			
1	2	1+1	2+2
•			
	•	•	
			•

2 Annealing Oven

1800mm(L) x 410mm(W) x 370mm(T), 1 pipe x 1 chamber, Nitrogen gas type.

1800mm(L) x 410mm(W) x 370mm(T), 2 pipes x 1 chamber, Nitrogen gas type.

1800mm(L) x 900mm(W) x 370mm(T), 1 pipe x 2 chambers, Nitrogen gas type.

1800mm(L) x 750mm(W) x 370mm(T), 2 pipes x 2 chambers, Nitrogen gas type.

Number of Wind-up			
1	2	1+1	2+2
•			
	•		
		•	
			•

3 Applicator

1 bath 1-speed type with 40mmφ coating roll device. Felt wiping attachment.

Level detector system and enamel heater for applicator bath equipped.

Number of Wind-up			
1	2	1+1	2+2
•	•	•	•

4 Varnish Circulation Tank

8 liters with indirect heating and circulation system

8 liters with automatic viscosity control system

Number of Wind-up			
1	2	1+1	2+2
•	•	•	•
•	•	•	•

SFW1400

5 Coating Oven

SFW1400:1400mm(L)x500mm(W)x500mm(T) x 1chamber, MN wire hanging device, Exhaust fan x 1equipped.

SFW1400:1400mm(L)x750mm(W)x500mm(T) x 2chambers, MN wire hanging device, Exhaust fan x 1equipped.

Standard heater

Infrared heater

Number of Wind-up			
1	2	1+1	2+2
●	●		
		●	●
●	●	●	●
●	●	●	●

6 Take-up Machine

1-speed type 40mmφ flat capstan roll device with 1 arm supporting type

1-speed type 40mmφ flat capstan roll device with 2 arms supporting type

Number of Wind-up			
1	2	1+1	2+2
●	●		
		●	●

7 Oil Coating Device

40mmφ coating roll device. Circulating pump equipped.

Number of Wind-up			
1	2	1+1	2+2
●	●	●	●

8 Wind-up Machine

TA1H(1head), (2heads), (1+1)heads, (2+2)heads

OR type individual setting-up system with manual switching over(horizontal).

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

TAS1H(1head), (2heads), (1+1)heads, (2+2)heads

OR type individual setting-up system with automatic switching over(horizontal).

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

Number of Wind-up			
1	2	1+1	2+2
●	●	●	●
●	●	●	●

9 Control Panel

Operation section: installed over the wind-up. Control section: installed under the wind-up.

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

Operation section: installed over the wind-up. Control section: installed under the wind-up.

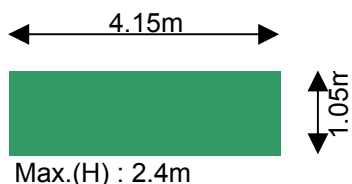
12 measuring points thermo recorder equipped. Watt-hour meter equipped.

Number of Wind-up			
1	2	1+1	2+2
●	●		
		●	●

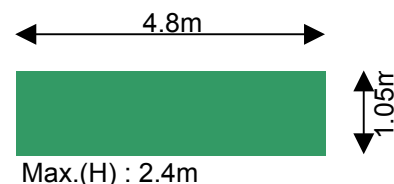
* With redard to 4 5 8 , every items can be utilized instead of normal equipment.

Layout

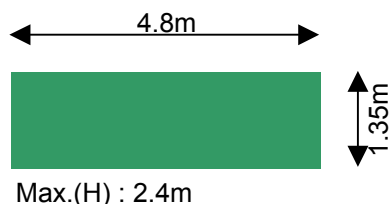
SFW1400MN/TA•TAS1H(1head)



SFW1400MN/TA•TAS1H(2heads)



SFW1400MN/TA•TAS1H(1+1)heads



SFW1400MN/TA•TAS1H(2+2)heads

