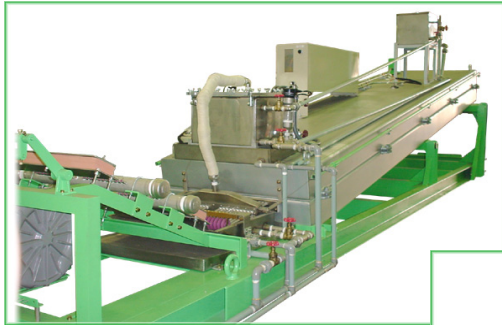


Machines for Magnet Wire

**ANNEALING OVEN****COATING OVEN****WIND-UP MACHINE**

Series of Machines

SFW	Horizontal high speed enamelling machine for Super Fine Wire
HE	Horizontal high speed enamelling machine with heat exchange system
AH	Horizontal high speed enamelling machine with hot air recirculation system
AHI	Horizontal ultra high speed enamelling machine with hot air recirculation & heat exchanger system
KVC	Vertical high speed enamelling machine with heat exchange 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>

Our Line-up for All Enamelling Machines **KDS**

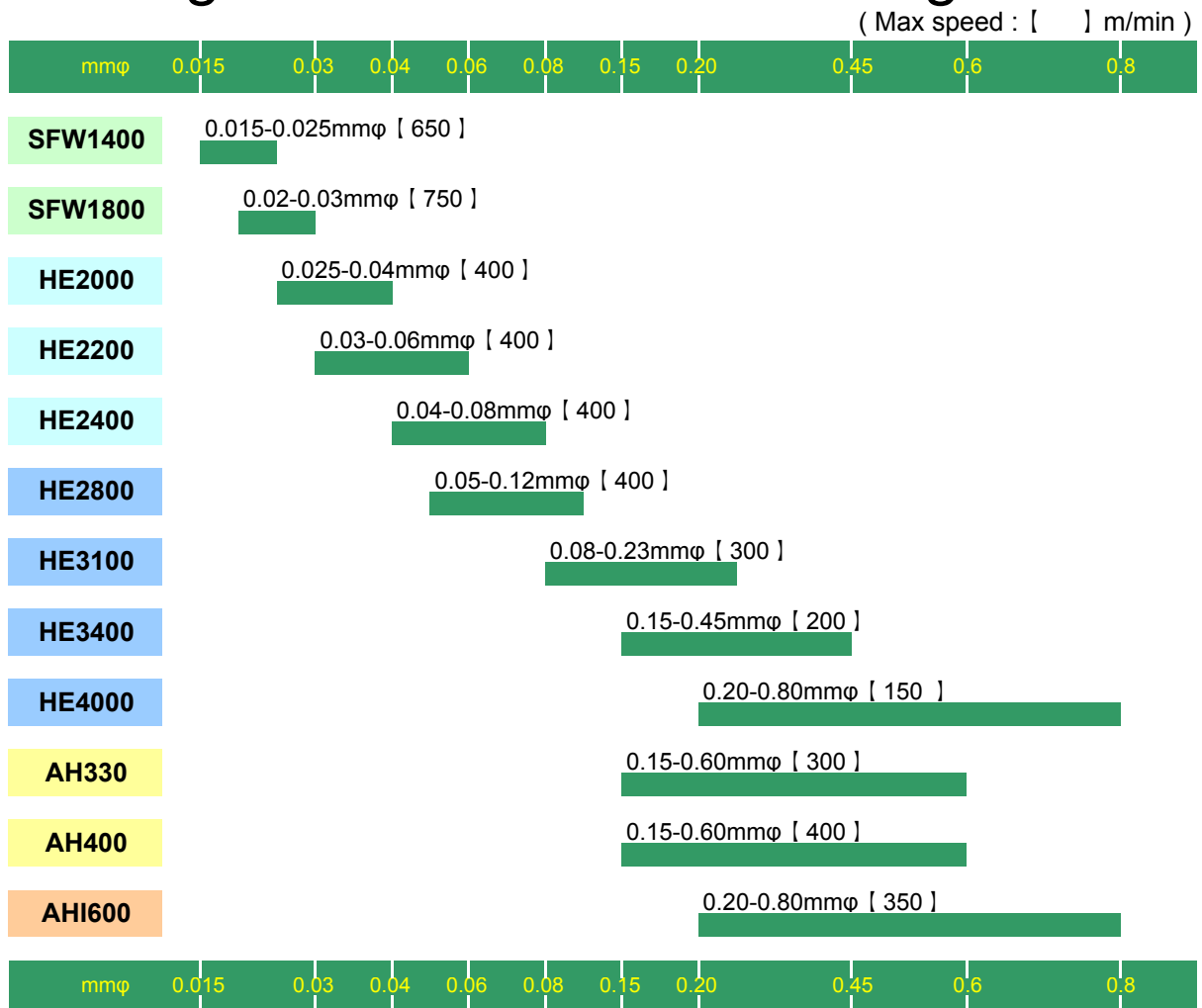
Our enamelling machines are defined as below.

Based "PU, PEI" and all kinds of Enamelled wire, can produce.

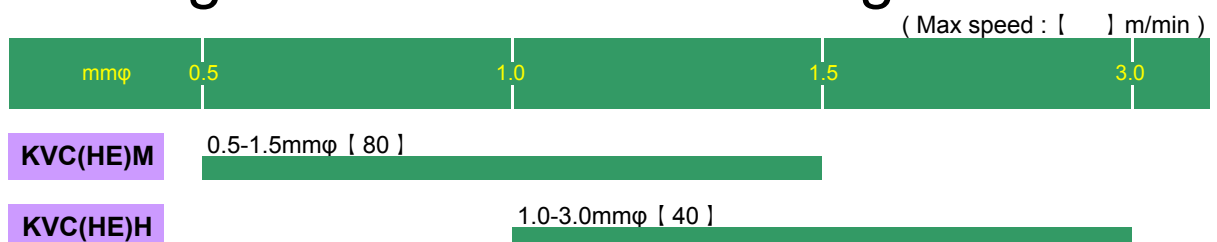
* Wire diameter range and speed range depend on oven length.

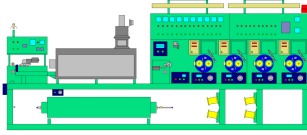
MODEL	Name of Machine	Wire Diameter Range	Max.speed
SFW	Horizontal high speed enamelling machine for Super Fine Wire	0.015 - 0.030 mmφ	750 m/min
HE	Horizontal high speed enamelling machine with Heat Exchange system	0.025 - 0.80 mmφ	400 m/min
AH	Horizontal high speed enamelling machine with Hot Air Recirculation system	0.15 - 0.60 mmφ	400 m/min
AHI	Horizontal ultra high speed enamelling machine with Hot Air Re-circulation&Heat Exchange system	0.20 - 0.80 mmφ	350 m/min
KVC	Vertical high speed enamelling machine with Heat Exchange system	0.50 - 3.00 mmφ	80 m/min

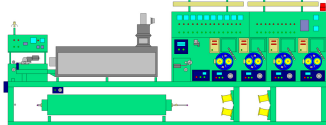
The Range of Horizontal Enamelling Machines

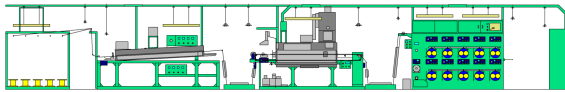


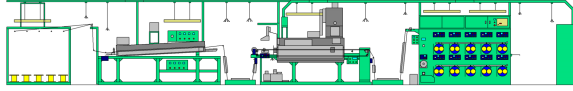
The Range of Vertical Enamelling Machines

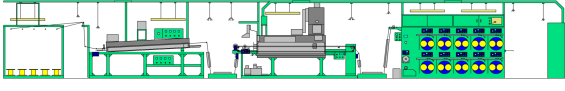


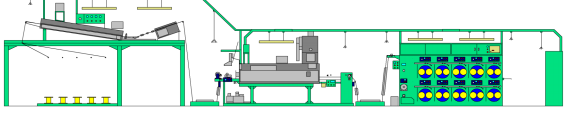
SFW1400	Max speed 650m/min		Diameter Range 0.015 - 0.025mmφ		4 Lines
	PU		PEI		Standard Dimention : 5.35m(L) x 1.35m(W) x 2.4m(H) 
Wire Diameter	0.015mmφ	0.025mmφ	-	-	
Output kg in 24 hours	3.1kg	14.2kg	-	-	
DV	5.6	15.6	-	-	
Running Power	9 - 12 kw (estimate)				

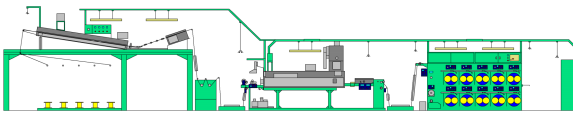
SFW1800	Max speed 750m/min		Diameter Range 0.02 - 0.03mmφ		4 Lines
	PU		PEI		Standard Dimention : 5.75m(L) x 1.35m(W) x 2.4m(H) 
Wire Diameter	0.02mmφ	0.03mmφ	-	-	
Output kg in 24 hours	7.3kg	24.6kg	-	-	
DV	10.0	23.0	-	-	
Running Power	12 - 15 kw (estimate)				

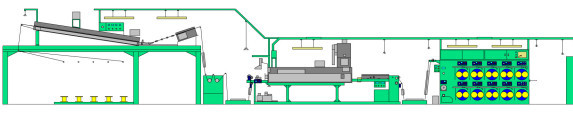
HE2000	Max speed 400m/min		Diameter Range 0.025 - 0.04mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 18.4m(L) x 1.8m(W) x 2.8m(H) 
Wire Diameter	0.025mmφ	0.04mmφ	-	-	
Output kg in 24 hours	14.3kg	46.7kg	-	-	
DV	6.3	12.8	-	-	
Running Power	20 - 26 kw (estimate)				

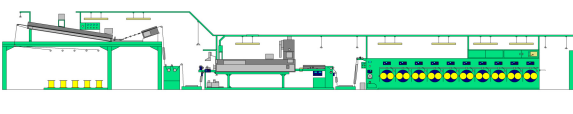
HE2200	Max speed 400m/min		Diameter Range 0.03 - 0.06mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 18.6m(L) x 1.8m(W) x 2.8m(H) 
Wire Diameter	0.03mmφ	0.06mmφ	-	-	
Output kg in 24 hours	25kg	114kg	-	-	
DV	9	20	-	-	
Running Power	21 - 27kw (estimate)				

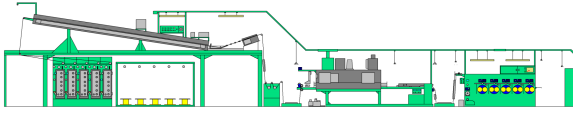
HE2400	Max speed 400m/min		Diameter Range 0.04 - 0.08mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 19.6m(L) x 1.8m(W) x 2.8m(H) 
Wire Diameter	0.04mmφ	0.08mmφ	-	-	
Output kg in 24 hours	51kg	168kg	-	-	
DV	13	22	-	-	
Running Power	23 - 29 kw (estimate)				

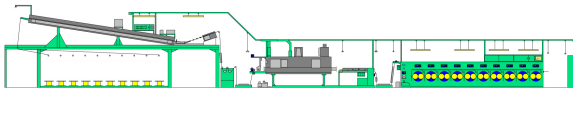
HE2800	Max speed 400m/min		Diameter range 0.05 - 0.12mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 19.5m(L) x 2.2m(W) x 4.0m(H) 
Wire Diameter	0.05mmφ	0.12mmφ	0.09mmφ	0.12mmφ	
Output kg in 24 hours	84kg	250kg	119kg	151kg	
DV	18	22	14	13	
Running Power	26 - 34 kw (estimate)				

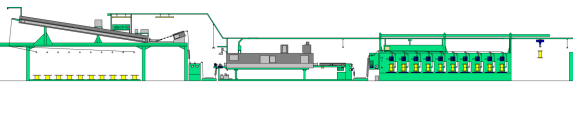
HE3100	Max speed 300m/min		Diameter range 0.08 - 0.23mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 21.9m(L) x 2.2m(W) x 4.0m(H) 
Wire Diameter	0.08mmφ	0.23mmφ	0.08mmφ	0.23mmφ	
Output kg in 24 hours	169kg	487kg	104kg	299kg	
DV	22	22	14	14	
Running Power	29 - 37 kw (estimate)				

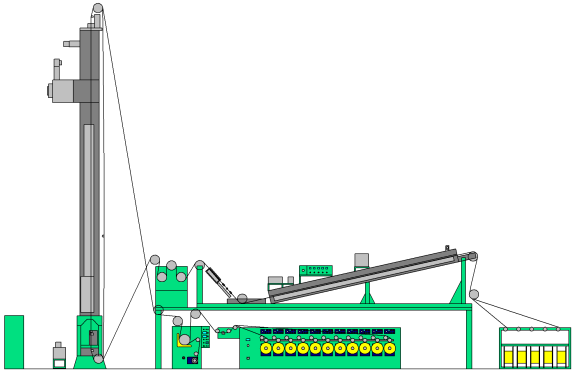
HE3400	Max speed 200m/min		Diameter range 0.15 - 0.45mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 23.5m(L) x 2.2m(W) x 4.0m(H) 
Wire Diameter	0.15mmφ	0.45mmφ	0.15mmφ	0.45mmφ	
Output kg in 24 hours	332kg	996kg	202kg	607kg	
DV	23	23	14	14	
Running Power	30 - 38 kw (estimate)				

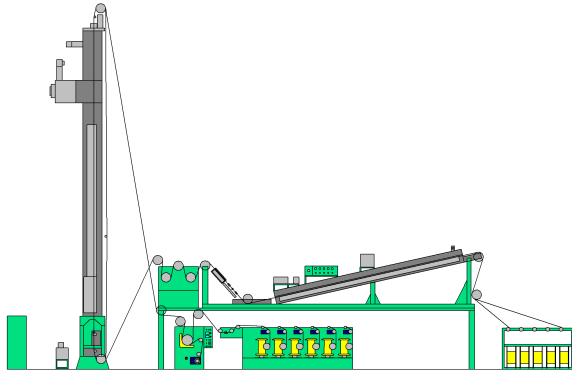
HE4000	Max speed 150m/min		Diameter range 0.20-0.80mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 29.1m(L) x 2.2m(W) x 4.0m(H) 
Wire Diameter	0.20mmφ	0.80mmφ	0.20mmφ	0.80mmφ	
Output kg in 24 hours	501kg	1694kg	298kg	1040kg	
DV	26	22	16	14	
Running Power	35 - 45 kw (estimate)				

AH330	Max speed 300m/min		Diameter Range 0.15-0.60mmφ		5 Lines
	PU		PE		Standard Dimention : 30.6m(L) x 2.2m(W) x 5.5m(H) 
Wire Diameter	0.15mmφ	0.60mmφ	0.15mmφ	0.60mmφ	
Output kg in 24 hours	314kg	996kg	223kg	708kg	
DV	44	35	31	25	
Running Power	29 - 38 kw (estimate)				

AH400	Max speed 400m/min		Diameter Range 0.15-0.60mmφ		10 Lines
	PU		PE		Standard Dimention : 35.1m(L) x 2.2m(W) x 5.2m(H) 
Wire Diameter	0.15mmφ	0.60mmφ	0.15mmφ	0.60mmφ	
Output kg in 24 hours	722kg	2772kg	469kg	1819kg	
DV	50	48	33	32	
Running Power	41 - 53 kw (estimate)				

AHI600	Max speed 350m/min		Diameter Range 0.20-0.80mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 40.3m(L) x 2.2m(W) x 5.2m(H) 
Wire Diameter	0.20mmφ	0.80mmφ	0.20mmφ	0.80mmφ	
Output kg in 24 hours	1107kg	4236kg	732kg	2695kg	
DV	58	55	38	35	
Running Power	64 - 83 kw (estimate)				

KVC(HE)M	Max speed 80m/min		Diameter Range 0.5-1.5mmφ		10 Lines
	PU(class F)		PEI		Standard Dimention : 21.6m(L) x 3.1m(W) x 14.0m(H) 
Wire Diameter	0.5mmφ	1.5mmφ	0.5mmφ	1.5mmφ	
Output kg in 24 hours	1444kg	4332kg	818kg	2455kg	
DV	30	30	17	17	
Running Power	82 - 105 kw (estimate)				

KVC(HE)H	Max speed 40m/min		Diameter Range 1.0-3.0mmφ		5 Lines
	PU(class F)		PEI		Standard Dimention : 21.6m(L) x 3.2m(W) x 14.0m(H) 
Wire Diameter	1.0mmφ	3.0mmφ	1.0mmφ	3.0mmφ	
Output kg in 24 hours	1444kg	4188kg	818kg	2310kg	
DV	30	29	17	16	
Running Power	73 - 94 kw (estimate)				

Unauthorized duplication is prohibited.