

ABOUT WIRE DRAWING MACHINES DIVISION

Sicme Italiaimpianti MC launched this new industrial activity to improve and increase the range of Wire Drawing Machines, today only dedicated to our Enamelling Plants. It is part of Sicme Italiaimpianti MC philosophy to invest in technology and innovation.

Our technical Team knows very well the more advanced technology in the design and manufacturing of Wire Drawing Machines and has a remarkable attitude for essential and functional innovations.

WIRE DRAWING MACHINES DIVISION

SFR Rod Breakdown Machine

ROD BREAKDOWN LINES

	SFR - n / 7	SFR - n / 11	SFR - n / 13	SFR - n / 15	SR - n / 11	SR - n / 13	SR - n / 15
Material	copper	copper	copper	copper	al & alloys	al & alloys	al & alloys
Max n° of wires	2	2	2	2	2	2	2
Max Inlet Dia.[mm]	8.00	8.00	8.00	8.00	8.00	8.00	8.00
Outlet Dia.[mm]	2.40 - 4.50	1.40 - 4.50	1.00 - 4.50	0,80 - 4.50	2.00 - 5.00	1.60 - 5.00	1.25 - 5.00
Max Speed [m/sec]	40	40	40	40	40	40	40

TFR

Multiwire Drawing Machine

MULTIWIRE DRAWING LINES

	TFR - n / 07	TFR - n / 10	TFR - n / 15	TFR - n / 20	TR - n / 11	TR - n / 16	TR - n / 20
Material	copper	copper	copper	copper	copper	al & alloys	al & alloys
Max n° of wires	24	24	24	48	14	16	16
Max Inlet Dia.[mm]	1.628	1.829	2.052	2.600	1.628	2.052	8.00
Outlet Dia.[mm]	0.07 - 0.16	0.10 - 0.30	1.00 - 4.50	0,80 - 4.50	2.00 - 5.00	1.60 - 5.00	1.25 - 5.00
Max Speed [m/sec]	40	40	40	40	40	40	40

H.W. Bennett Non Ferrous Paper Award*

NO
installation cost



Machine totally
wired



* Award for research and fulfillment of gas enamelling ovens - RESULT: STANDARD ENERGY EXPENSE/3

Machines produced according to "CE" standards and the tutelage of: Made in Italy 100% certificate, registration nr. IT01.IT/1110.094.V

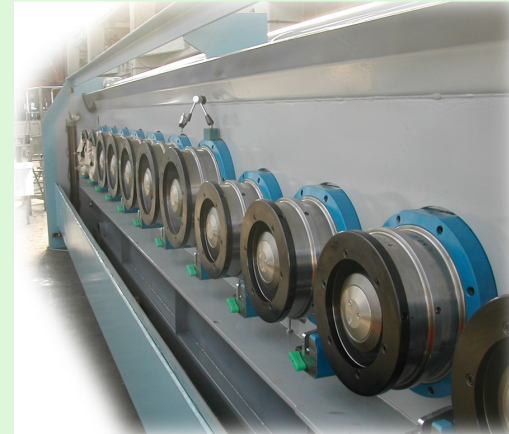
Acts according to system IT01 - 100% Original Italian Quality

ROD BREAKDOWN LINES type SFR

Sicme Italiaimpianti MC Rod Breakdown Machine SFR is a Wire Drawing Machine with individual AC motors controlled by vector inverters, which can be provided with or without low slipping control system; it covers the whole range of inlet-outlet wire sizes requested in the market and can be connected to a Sicme Italiaimpianti MC Horizontal Annealer in CC, with the best ratio between ergonomic design and general dimension, using a tandem-concept, up to now used only in Multiwire Lines.

Drawing Machines Type TMS

- **controlled-slip technology** with direct coupling of the motors to each capstan, to achieve:
- better quality of the finished wires
- reduced power consumptions
- higher operational flexibility and easier management of the sets of dies
- longer working lifetime for capstans
- reduced level of noise
- self-supporting frame which also incorporates the noise protection, for easy installation, space saving and ease of use; special design for quick maintenance operations;
- drawing capstans' diameter up to 760 mm, according to the material to be drawn.



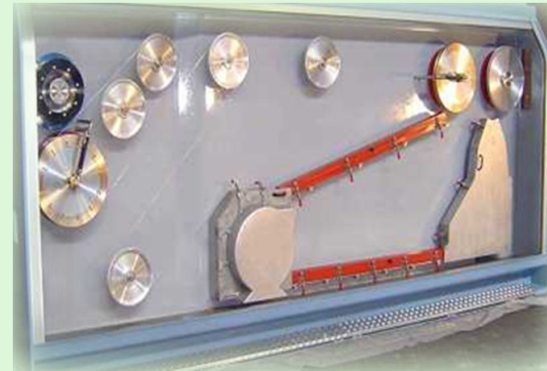
Continuous Annealers Type F

- d.c. current with guaranteed annealing from 0 m/sec speed (a.c. current on demand);
- **horizontal design** for easy and safe threading operations (conventional vertical design also available);
- pull-out capstan of the drawing machine built-in the annealer, limiting the slip and reducing the space;
- special execution for no-slip operations, with individually motor driven shafts;
- self-supporting frame, for easy installation;

various powers range to meet different production requirements.

Take-ups Type R

- **Automatic Stem-pack Coilers** for baskets containing up to 4 tons of wire (copper);
- **Single and Double Dynamic Spoolers** for automatic and manual reels up to 1,250 mm (dia. flange);
- **Automatic Static Spoolers for** reels up to 1,000 mm (dia. Flange), also suitable for collapsible reels.



Electric System

- with digital control, using standard commercial components available worldwide;
- Field BUS (PROFIBUS) connection among the electric cabinets and the machines' boards, for easy & fast installation and start-up;
- video-graphic control station setting the working parameters, controlling the operations and diagnosis;
- remote control of the line via modem for immediate assistance available on demand.

Ancillaries

- Pay-off units;
- Pointing and stringing machines
- Auxiliary systems: lubricant and cooling treatment, compressed air, steam, etc...



MULTIWIRE DRAWING LINES type TFR

Sicme Italiaimpianti MC Multiwire drawing machine TFR-Cu and TR-Al type, has a classic and linear configuration, covering all the market request. The innovations are several and oriented to minimize the general costs involved in the process (low consumption, easy and reduced maintenance need) compatible with high performances and maximum quality of final product. The machinery operators, maintenance technicians and controllers satisfaction, is one of our first targets to be accomplished.

Drawing Machines Type T

- quick die-change system with electronic control;
- drawing capstans' diameter up to 120 mm, according to the size of the wires to be drawn;
- large distance among wires for easy threading operations: up to 32 mm;
- direct coupling of the motor to the main shaft;
- self-supporting frame for easy and fast installation;
- independent lubrication circuits for thicker and thinner wires;
- expressly designed for easy and quick maintenance operations.

Continuous Annealers Type F

- d.C. current with guaranteed annealing from 0 m/sec speed; pull-out capstan of the drawing machine built in the annealer, limiting the slip and reducing the space;
- special execution for no-slip operations, with **individually motor driven shafts**;
- electric and air drying systems for the wires;
- self-supporting frame, for easy installation;
- various powers range to meet different production requirements.

Take-ups Type R

- **Dynamic Spoolers** for automatic and manual reels up to 1.000 mm (dia. flange);
- **Automatic Static Spoolers** for reels up to 1.000 mm (dia. flange).

Electric System

- with digital control, using standard commercial components available worldwide;
- Field-BUS (PROFIBUS) connection among the electric cabinets and the machines' boards, for easy & fast installation and start-up;
- video-graphic control station setting the working parameters, controlling the operations and diagnosis;
- remote control of the line via modem for immediate assistance available on demand.

Ancillaries

- Pay-off units
- Noise limiting cabinets
- Auxiliary systems: lubricant and cooling treatment, compressed air, steam, etc.

