

FMV40 vertical rubbing frame

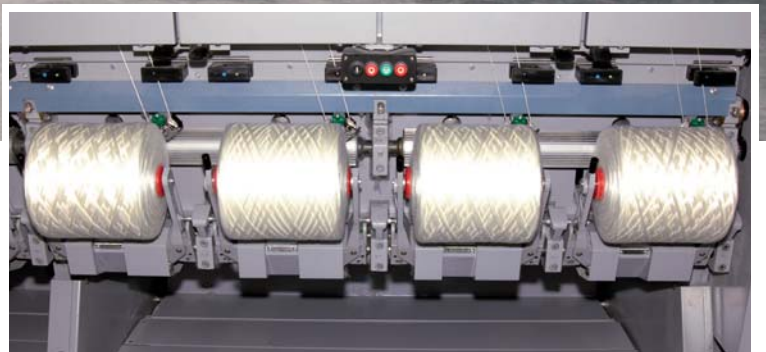


Model FMV41

- Tubes length: 300mm
- Maxi bobbin weight: 4.5kg of material.

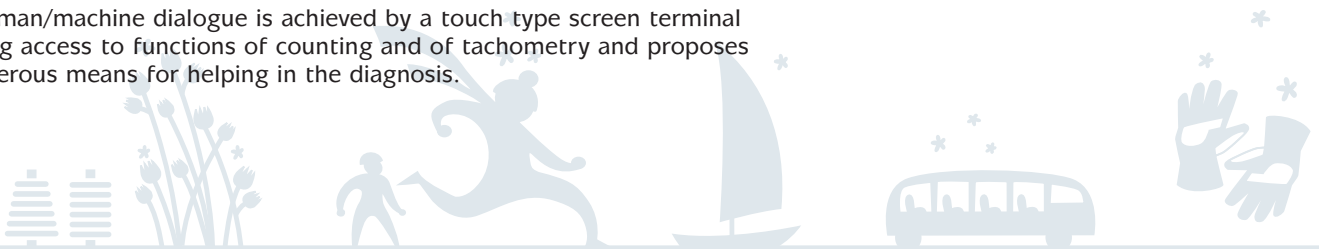
Model FMV42

- Tubes length: 330mm
- Maxi bobbin weight: 5 to 6kg of material.



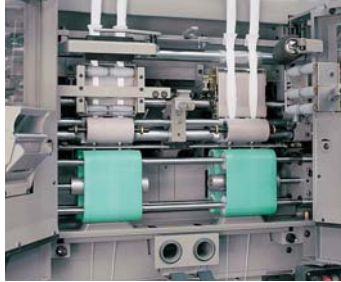
Entirely automatic bobbin doffing

- Entirely automatic bobbin doffing
- 3 interchangeable types of drafting
- Produced rubbed rovings Nm 0.66 to 6
- Delivery speed up to 275m/min with only one rubbing level
- Rubbing speed up to 1,500 cycles/min
- The man/machine dialogue is achieved by a touch type screen terminal giving access to functions of counting and of tachometry and proposes numerous means for helping in the diagnosis.



Designed by N. Schlumberger, they have the following characteristics:

- The distance between feed cylinders and draft cylinder is adjustable by motor
- The pressure on feed cylinder is ensured by springs
- The draft cylinder pressure is operated by pneumatic ram with individual pressure relief.



Type A

Long drafting system
with control barrels on wide apron



Type B

Short drafting system
with double apron



Type C

Short drafting system
with control barrels on wide apron

FMV40 vertical rubbing frame

Technical characteristics*

Processed materials	Wool, long staple chemical fibres, blends	Mini distance between draft cyl. and apron	31mm
Feeding	Creel for cans of Ø 400 to 800mm single or double end	Draft range	7.2 à 20.7 (by gear box)
Number of bobbins	12, 16, 20 or 24	Weight of the delivery roving	A: Nm 0.66 - 5 B: Nm 1.5 - 6 C: Nm 1.5 - 6
Pitch	FMV 41: 420mm FMV 42: 450mm	Rubbing speed	1 vertical tier 1,500 cycles/min maxi
Rovings per bobbin	2	Number of rubs	5 - 5.8 - 7 - 8rubs/m
Tubes	FMV 41: length: 300mm - Ø 70mm FMV 42: length: 330mm - Ø 70mm	Stop motion	Electronic, without contact with the material, adapted to the process of any material
Bobbin diameter	Maxi 300mm	Delivery speed	275m/min maxi according to material
Bobbin weight	FMV 41: up to 4.5kg according to material FMV 42: from 5 to 6kg according to material	Compressed air pressure	6bars
Bobbin ticketing	Automatic	Compressed air consumption	3Nm ³ /h
Drafting system type	Interchangeable A: long - wide apron and 3 barrels B: short - double apron C: short - wide apron and 2 barrels	Main motor power	12, 16, 20 and 24 bobbins: 18.5kW
Maximal load	A: 8.5 to 16ktex according to material B: 7.5 to 14ktex according to material C: 5 to 9ktex according to material	Suction motor power	12 and 16 bobbins: 7.5kW 20 and 24 bobbins: 11kW
Doubling	1 or 2	Installed power	12 and 16 bobbins: 30kW 20 and 24 bobbins: 33.5kW
Feed cylinder diameter	40mm	Approx. net weight	12 bobbins: 8,400kg 16 bobbins: 9,700kg 20 bobbins: 11,000kg 24 bobbins: 12,500kg
Draft cylinder diameter	25 and 50mm	Packed volume	12 bobbins: 36m ³ 16 bobbins: 42m ³ 20 bobbins: 45m ³ 24 bobbins: 48m ³
Pressure cylinder diameter	70mm		
Pressure on draft cylinders	80daN (env. 80kg) with pneumatic jack		
Total nip	A: 205 - 260mm B: 145 - 260mm C: 130 - 260mm		

*Subject to modifications

 www.nsc-fibretoyarn.com

n. schlumberger

170, RUE DE LA RÉPUBLIQUE
BP 79 - 68502 GUEBWILLER CEDEX (France)

TEL. +33 (0)3 89 74 41 41

FAX +33 (0)3 89 74 40 63

nsc@nsc.fr

nsc
fibre to yarn