BRAIDING MACHINES

Round rope · Flat braid · Specialty braid · Metal wire



FX90-4JD-36-2

EQUIPMENT & ACCESSORIES

Machine series, model specifications, winding equipment and replacement parts.

CATALOGUE GUIDE

Find the right series

Select a product structure, then compare spindle count, head arrangement and bobbin size.

01 **ROUND ROPE** — 80 / 90 series — 03–06

02 **FLAT BRAID** — 80 / 90 series — 07–09

03 **ADDITIONAL MACHINE SERIES** — 110 / 130 / 180 / 320 — 10–12

04 **SPECIALTY BRAID** — FX series — 13–15

05 **METAL WIRE** — 115B / 160B series — 16–17

06 **PARTS & AUXILIARY EQUIPMENT** — Carriers, drive parts, feeders and winders — 18–20

HEAD ARRANGEMENT KEY

A

2 + 2 heads

H

4 heads in a straight row

AH

4 + 4 heads

01 / ROUND ROPE

80 series

High-speed round-rope braiding machine model range.

Ø43 × 140 mm
Bobbin size

340 rpm
Max. horn gear speed

12–48
Spindles per head

Model	Spindles / head	Head qty	Power (kW)	Worktable (cm)	Rope Ø (mm)
80-12-2	12	2	0.55	83 × 35	0.1–8
80-12-4-A	12	4	0.75	94 × 79	0.1–8
80-12-4-H	12	4	0.75	148 × 40	0.1–8
80-16-2	16	2	0.55	87 × 45	0.1–8
80-16-4-H	16	4	0.75	165 × 44	0.1–8
80-16-4-A	16	4	0.75	93 × 75	0.1–8
80-20-2	20	2	0.75	100 × 48	0.1–8
80-20-4-H	20	4	0.75	183 × 48	0.1–8
80-24-2	24	2	0.75	104 × 56	0.5–12
80-32-2	32	2	0.75	127 × 62	1–15
80-48-2	48	2	1.1	162 × 82	3–20

Worktable dimensions are L × W in cm. Spindle quantity is per head.

ROUND-ROPE PRODUCT EXAMPLES



Examples include cords, shoelaces and braided sleeves. Select materials and construction to suit the application.

01 / ROUND ROPE

90 series

Round-rope configurations from 8 to 96 spindles per head.

BOBBIN Ø48 × 140 mm

MAX. HORN GEAR SPEED 300 rpm

Model	Spindles / head	Head qty	Power (kW)	Worktable (cm)	Rope Ø (mm)
90-8-8-AH	8	8	0.55	177 × 54	0.1–8
90-12-2	12	2	0.55	83 × 35	0.1–8
90-12-4-A	12	4	0.75	94 × 79	0.1–8
90-12-8-AH	12	8	1.1	170 × 79	0.1–8
90-12-4-H	12	4	0.75	151 × 54	0.1–8
90-16-2	16	2	0.55	93 × 46	0.1–8
90-16-4-H	16	4	0.75	177 × 54	0.1–8
90-16-4-A	16	4	0.75	93 × 75	0.1–8
90-20-2	20	2	0.75	109 × 50	0.1–8
90-20-4-H	20	4	1.1	199 × 50	0.1–8
90-24-2	24	2	0.75	113 × 58	0.5–12
90-24-4-H	24	4	1.1	220 × 61	0.5–12
90-32-1	32	1	0.75	77 × 71	1–15
90-32-2	32	2	0.75	137 × 69	1–15
90-40-1	40	1	1.1	96 × 85	2–16
90-40-2	40	2	1.1	160 × 81	2–16
90-40-2-2T	40	2	1.1	160 × 81	2–16
90-44-1	44	1	1.1	99 × 89	2–20
90-44-2	44	2	1.5	171 × 89	2–20
90-48-1	48	1	0.75	99 × 90	3–20
90-48-2	48	2	1.5	178 × 93	3–20
90-56-1	56	1	0.75 × 2	123 × 105	3–20
90-64-1	64	1	0.75 × 2	122 × 118	4–25
90-72-1	72	1	0.75 × 2	140 × 150	4–25
90-80-1	80	1	0.75 × 2	140 × 150	4–25
90-96-1	96	1	0.75 × 3	160 × 166	5–30

Worktable dimensions are L × W in cm. Spindle quantity is per head.

01 / ROUND ROPE

90 series · model gallery

Selected machine configurations from the series.



90-32-2

32 spindles / head · 2 heads



90-16-4-A

16 spindles / head · 2 + 2 heads



90-16-4-H

16 spindles / head · 4 heads



90-40-2-2T

40 spindles / head · 2 heads

01 / ROUND ROPE

Single-head configurations

Two examples from the 90 series round-rope range.



90-48-1

48 spindles · 3–20 mm rope Ø



90-96-1

96 spindles · 5–30 mm rope Ø

Model	Spindles / head	Head qty	Power (kW)	Worktable (cm)	Rope Ø (mm)
90-48-1	48	1	0.75	99 × 90	3–20
90-96-1	96	1	0.75 × 3	160 × 166	5–30

Worktable dimensions are L × W in cm. Spindle quantity is per head. Both use Ø48 × 140 mm bobbins; max. horn gear speed is 300 rpm.

Additional single-head and two-head models are listed in the 90 series specification table on page 04.

02 / FLAT BRAID

80 series

Flat-braid and narrow-tape machine configurations.

Ø43 × 140 mm
Bobbin size

340 rpm
Max. horn gear speed

13–33
Spindles per head

Model	Spindles / head	Heads	Power (kW)	Worktable (cm)
80-13-2	13	2	0.55	83 × 35
80-13-4-H	13	4	0.75	148 × 40
80-13-4-A	13	4	0.75	94 × 79
80-17-2	17	2	0.55	87 × 45
80-17-4-H	17	4	0.75	165 × 44
80-21-2	21	2	0.75	100 × 48
80-21-4-H	21	4	0.75	183 × 48
80-25-2	25	2	0.75	104 × 56
80-29-2	29	2	0.75	112 × 60
80-33-2	33	2	0.75	127 × 62

Worktable dimensions are L × W in cm. Spindle quantity is per head.

FLAT-BRAID PRODUCT EXAMPLES



Flat cords, decorative trims and elastic braid constructions, depending on the machine setup and yarn.

02 / FLAT BRAID

90 series

Model range with 9 to 65 spindles per head.

Ø48 × 140 mm
Bobbin size

300 rpm
Max. horn gear speed

1 / 2 / 4 / 8
Head quantities

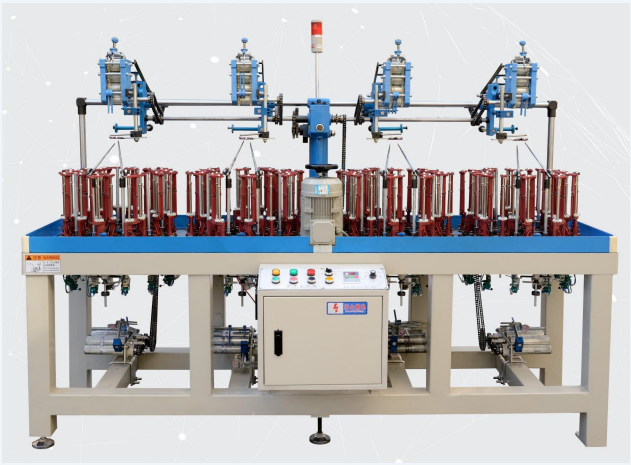
Model	Spindles / head	Heads	Power (kW)	Worktable (cm)
90-9-8-AH	9	8	1.5	177 × 54
90-13-2	13	2	0.55	82 × 39
90-13-4-H	13	4	0.75	151 × 54
90-13-4-A	13	4	0.75	94 × 79
90-13-8-XH	13	8	1.1	220 × 61
90-17-2	17	2	0.55	93 × 46
90-17-4-H	17	4	0.75	177 × 54
90-21-2	21	2	0.75	109 × 50
90-21-4-H	21	4	1.1	199 × 50
90-25-2	25	2	0.75	113 × 58
90-25-4-H	25	4	1.1	220 × 61
90-33-1	33	1	0.75	77 × 71
90-33-2	33	2	0.75	137 × 69
90-45-1	45	1	1.1	99 × 89
90-45-2	45	2	1.5	171 × 89
90-57-1	57	1	0.75 × 2	123 × 105
90-65-1	65	1	0.75 × 2	122 × 118

Worktable dimensions are L × W in cm. Spindle quantity is per head.

02 / FLAT BRAID

90 series · model gallery

Selected machine configurations from the series.



90-25-4-H

25 spindles / head · 4 heads



90-13-4-H

13 spindles / head · 4 heads



90-25-2

25 spindles / head · 2 heads



90-9-8-AH

9 spindles / head · 4 + 4 heads

03 / OTHER ROUND-ROPE SERIES

110 / 130 / 320 series

Round-rope model specifications and bobbin dimensions.

Model	Spindles / head	Head qty	Power (kW)	Bobbin (mm)	Worktable (cm)	Rope Ø (mm)
110-8-4-H	8	4	0.75	Ø48 × 140	147 × 44	0.1–5
110-8-8-AH	8	8	1.1	Ø48 × 140	142 × 70	0.1–5
130-8-4-A	8	4	1.1	Ø70 × 210	95 × 87	8–20
130-16-2	16	2	0.75	Ø70 × 210	120 × 64	8–20
130-24-1	24	1	1.1	Ø70 × 210	96 × 85	8–20
130-32-1	32	1	1.1	Ø70 × 210	108 × 95	8–25
130-48-1	48	1	1.1	Ø70 × 210	136 × 126	8–25
320-12-1	12	1	1.5 × 2	Ø150 × 380	140 × 130	6–30

Worktable dimensions are L × W in cm. Spindle quantity is per head.



110-8-8-AH



320-12-1

03 / OTHER ROUND-ROPE SERIES

130 / 320 · model gallery

Selected machine configurations from the series.



130-24-1

Ø70 × 210 mm bobbins



130-32-1

Ø70 × 210 mm bobbins



130-36-1

Machine configuration reference



320-12-1

Ø150 × 380 mm bobbins

03 / OTHER FLAT-BRAID SERIES

110 / 130 / 180 series

Flat-braid model range with bobbin dimensions.

Model	Spindles / head	Heads	Power (kW)	Bobbin (mm)	Worktable (cm)
110-9-4-H	9	4	0.75	Ø48 × 140	147 × 44
130-25-1	25	1	1.1	Ø70 × 210	96 × 85
130-33-1	33	1	1.1	Ø70 × 210	108 × 95
180-17-1	17	1	0.75	Ø100 × 330	100 × 98

Worktable dimensions are L × W in cm. Spindle quantity is per head.



110-9-4-H

Standard arrangement



110-9-4-H

Additional machine view

04 / SPECIALTY BRAID

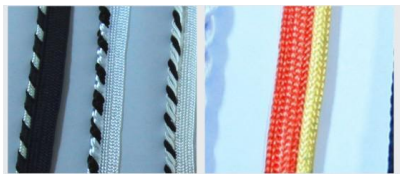
FX series

Specialty braiding configurations for decorative cords and trims.

Model	Spindles / head	Head qty	Power (kW)	Bobbin (mm)	Worktable (cm)
FX-25-2	25	2	1.1	Ø48 × 140	177 × 87
FX-64-1	64	1	1.1	Ø48 × 140	120 × 92
FX80-31-1	31	1	0.75	Ø43 × 140	84 × 75
FX90-4JD-28-2	28	2	1.1	Ø48 × 140	160 × 76
FX90-4JD-36-2	36	2	1.1	Ø48 × 140	160 × 76
FX90-26-2	26	2	0.75	Ø48 × 140	141 × 56
FX90-39-2	39	2	0.75	Ø48 × 140	192 × 87
FX90-46-1	46	1	1.1	Ø48 × 140	80 × 75
FX90-67-1	67	1	0.75 × 2	Ø48 × 140	150 × 130
FX90-73-1	73	1	1.1	Ø48 × 140	124 × 95
FX90-77-1	77	1	1.1	Ø48 × 140	124 × 110
FX130-9-2	9	2	1.1	Ø70 × 210	95 × 87
FX-3GS-4A	16	4	0.75	Ø48 × 140	177 × 54

Worktable dimensions are L × W in cm. Spindle quantity is per head.

DECORATIVE BRAID EXAMPLES



04 / SPECIALTY BRAID

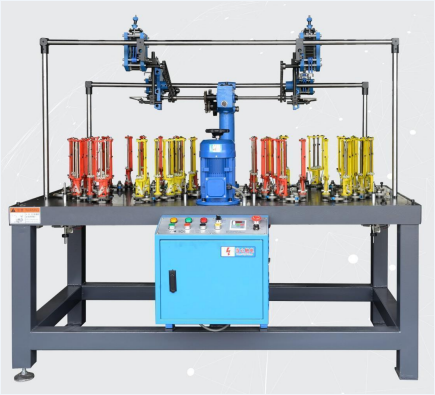
Decorative braid configurations

Selected FX models and their spindle / head arrangements.



FX90-4JD-36-2

36 spindles / head · 2 heads · 1.1 kW



FX-25-2

25 spindles / head · 2 heads



FX-64-1

64 spindles · 1 head

04 / SPECIALTY BRAID

FX series · model gallery

Selected machine configurations from the series.



FX80-31-1

31 spindles · 1 head



FX-3GS-4A

16 spindles / head · 4 heads



FX90-77-1

77 spindles · 1 head



FX130-9-2

9 spindles / head · 2 heads

05 / METAL WIRE

115B / 160B series

Metal-wire braiding machines for hose and sleeve constructions.

Model	Spindle qty	Braiding range (mm)	Overall dimensions L × W × H (mm)	Max. horn gear speed (rpm)	Bobbin size (mm)
115B-24	24	≤Ø25	1,300 × 720 × 1,650	300	60 × 170
115B-32	32	≤Ø35	1,450 × 850 × 1,700	300	60 × 170
115B-36	36	≤Ø40	1,520 × 1,000 × 1,780	270	60 × 170
115B-48	48	≤Ø50	1,650 × 1,400 × 1,900	270	60 × 170
160B-24	24	≤Ø35	1,400 × 900 × 1,800	270	70 × 280
160B-36	36	≤Ø45	1,500 × 1,000 × 1,800	270	70 × 280

Dimensions in this table are overall machine dimensions in mm. Braiding ranges are shown as listed diameters.

METAL-WIRE BRAID PRODUCT EXAMPLES



Select a model by the required braid diameter, spindle count, wire specification and hose or sleeve construction.

05 / METAL WIRE

Metal-wire machine configurations

Selected machine configurations from the series.



115B-24

115B-24 · enclosed arrangement



115B-24

24 spindles · listed range ≤Ø25 mm



115B-32

32 spindles · listed range ≤Ø35 mm



115B-36

36 spindles · listed range ≤Ø40 mm

06 / ACCESSORIES

Carriers, bobbins & yarn guides

Replacement components for the braiding system.



Braiding carriers



Carrier components



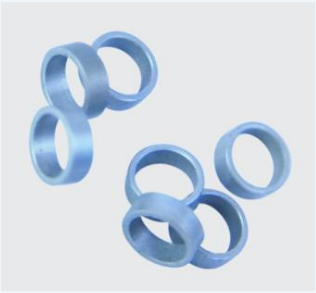
Metal-wire carriers



Bobbins



Ceramic yarn guides



Washers



Connector block



Yarn threading plates



Core guide wheel

Match carrier and guide components to the machine model, yarn path and bobbin specification.

06 / ACCESSORIES

Drive & take-up components

Transmission, density adjustment and yarn handling parts.



Carrier sliders



Motor gear



Handwheel



Horn gear oil cups



Oil dipstick



Thread-break stop block



Sprockets



Fixed density gear



Density adjustment gears



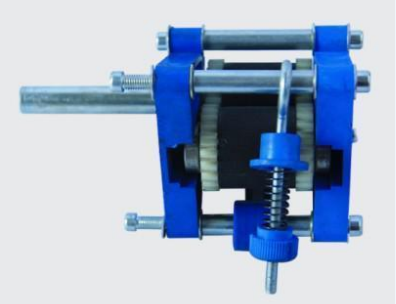
Geared take-up wheel

Provide the machine model and a component photo when enquiring about replacement parts.

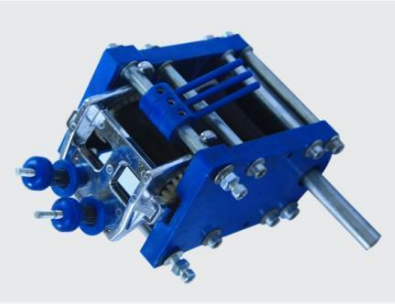
06 / AUXILIARY EQUIPMENT

Feeders, rollers & winding

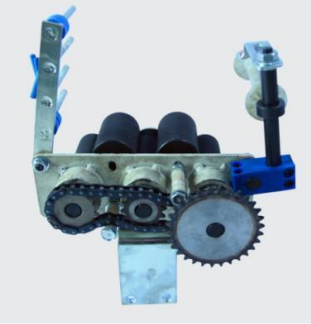
Supporting equipment for yarn preparation and take-up.



Two-wheel take-up roller



Four-wheel take-up roller



Elastic yarn feeder



Metal-wire winding machine



Bobbin winding machine

YOUR NEXT BRAIDING PROJECT

Share your product sample and production requirements with YISHUO.

INFORMATION FOR MODEL SELECTION

01 Finished braid

Round rope, flat braid, decorative trim or wire braid

02 Material & size

Yarn or wire specification and finished product dimensions

03 Production target

Required construction, braid density and output

04 Site requirements

Available power supply and installation space

Ningbo Yishuo Machinery & Electron Co., Ltd.

nbyishuo.com

lloyd.jiang@nbyishuo.com