

73 Greenville

ITMA 75

.

가 가

.

가 가

가

가 가

가가 가

.

show .

.

?

.

. 40 200 가 가 .

Tape 가

가

.

가 Monitoring

가 .

(Shuttle loom), Jet ,

Rapier , Gripper , (Multi-shed loom) .

.

ITMA 75 가 15%, Rapier

가 55%, Gripper 9%, Water Jet 10%, Air Jet 4%,

Multished 3%, , dobby (picking stick)

가 .

가

. 가 mechanism 가

show 가 , shuttleless

. shuttleless

가 , design .

. 가

, 가

. 가

, .

. monitoring

가 one stick one pick ,

가 , energy

가 .

Galiles, Omita, Picanol, Rockwell, Draper, Ruti, Saurer

Picanol 가 가

. ,

shuttle box shuttle timing

monitoring electro

mechanical monitoring system .

?

가 Ruti 120cm

350ppm satin .

Picanol [] 188cm

280ppm . Rockwell Leeson

loom winder, unifil .

Slay cap

가 cylinder 가 (running speed)

가

가

Rapier 가 가 .

Rapier Rigid Rapier Flexible Rapier

Flexible Rapier가 .

Rigid Rapier Flexible(Tape) Rapier

rapier guid가

Flexible Rapier .

2 rapier 2 2

가 . Iwer 160cm,

150 × 2ppm 300ppm , double rapier Gunne

150cm 230 × 2ppm double plush .

Griper Sulzer, Omita, Crompton &

knoweles 3 10 가
Sulzer 540cm, 190rpm, 280rpm
279cm .

Gripper Gripper가 potential energy
가 energy가
Gripper

.
special project gripper 가 42tex
가 400tex 700tex double 216ppm
1,500tex .

gripper 가 .
Jet Desveus, Enshu, Galileo, Nissan, Investa, Ruti

.
Jet Water Jet, Air Jet 가 가 Air Jet
Water Jet가 .
가 가 Water jet . 가
가 .
가

가 ,
Reed space
가 (shed) .
Water Jet loom Rapier Gripper
가

Water Jet loom

가 가

Water Jet loom

Enshu Water Jet 210cm 600rpm

가

Nissan 140cm 1000ppm

가 . Nylon taffeta

가 1m, 가

60cm

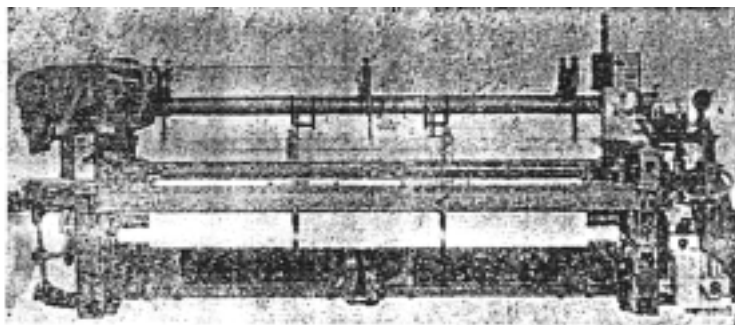
Air Jet Investa가 Air Jet

. Investa 125cm 230cm

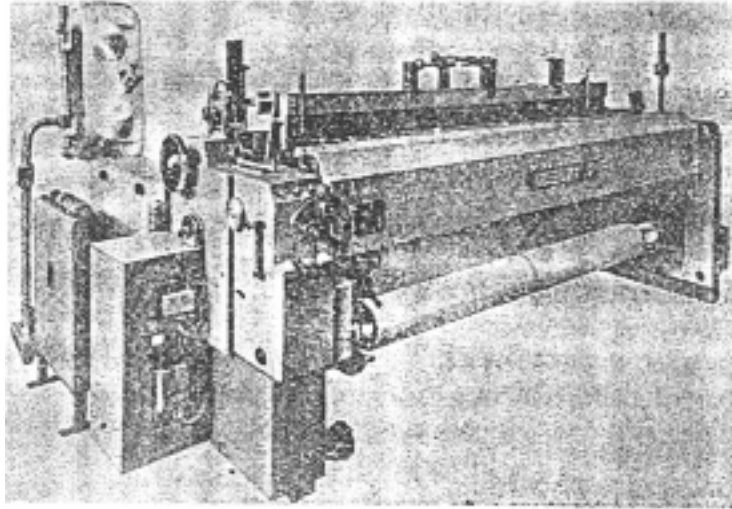
가 230cm 300ppm polypropylene tape

(2). Ruti 190~140cm 400~450ppm

630~760m



< 1> The Ruti C1001 weaving machine, available up to 350cm wide.



< 2> The Jettis 230 air jet loom which was among the more significant exhibits of Investa (Czechoslovakia).

73 Greenville

Water Jet

가

Air Jet

가

가,

가

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Jet

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, r.p.m picks per min(p.p.m)

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가 가

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가

.

(shed)

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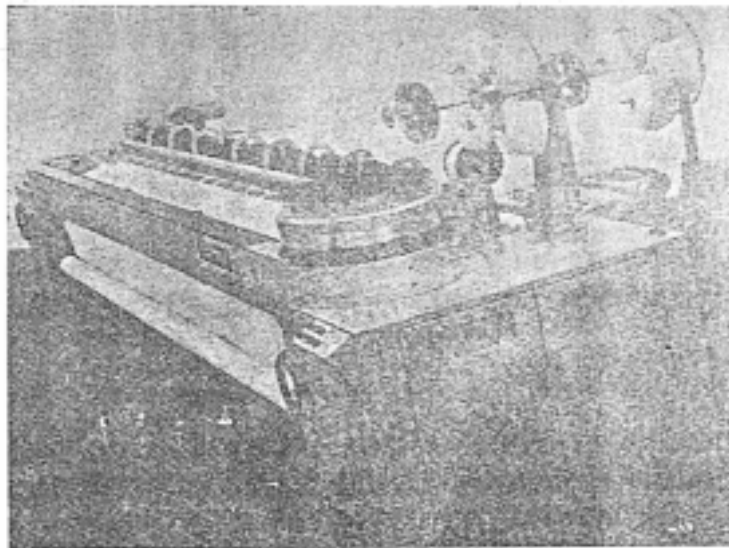
(Multi shed Multi shuttle loom) ITMA 71, ATME 73
 ITMA 75 Investa, Nuovo, Pignone, Mayer &

Cie

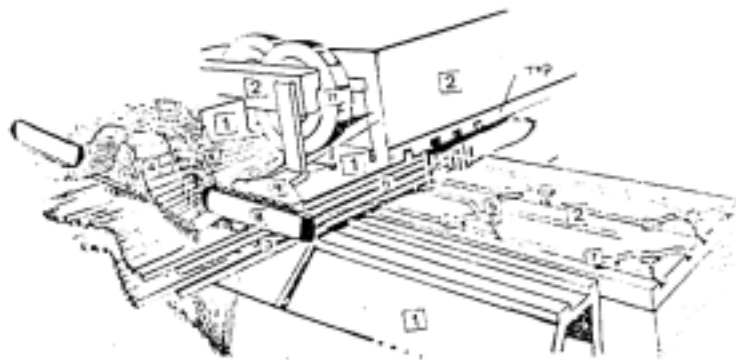
가 가

Investa Nuovo, Pignone

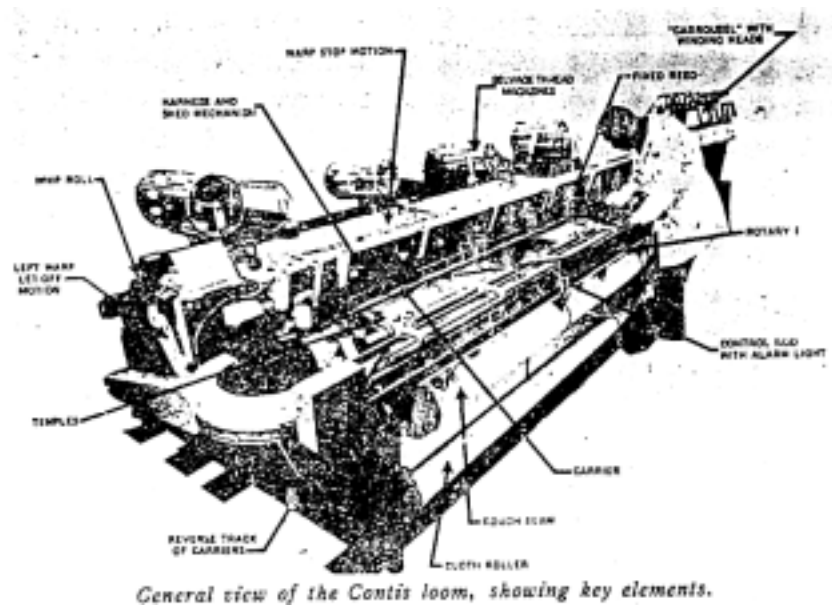
(3) Mayer & Cie (4)



< 3> The Nuovo Pignone TZP multi-phase machine, 16 divisions, 330cm wide.



< 4> Diagram of Marger & Cie circular Multiphase Weaving Machine.



< 5> Investa Conti

10 가

wave line shed ripple

shed

Investa Conti (5)

330cm, 16

가

16

가

weft carrier가 shed

carrier

conveyor

winding head

OE

500ppm

1650m/min

Mayer & Cie

Bed 4

4

battery가

section

carrier

battery

carrier
2000m/min
(carrier) 32 , carrier 1.2m/sec, 167cm × 4, Nm
10~80 가 .
가

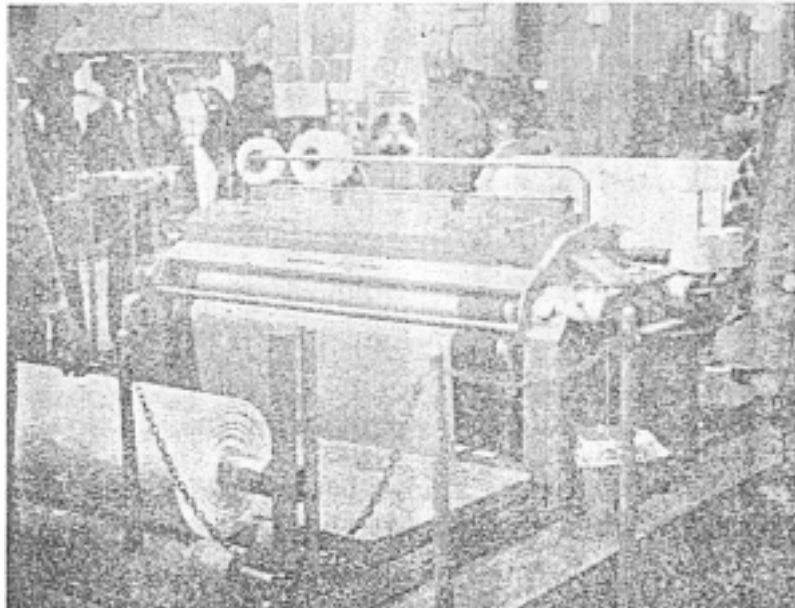
Mayer 가
. 4
가 . 1 stator, 2
rotor .
3 4 가
cam track 5
5 7 point . carrier 8
rotor 9
4 roller 11 .
Mayer 1976 3
.
ITMA 75

Ruti 350cm, 185ppm, 647mpm(1), Rigid Rapier
Gardella() 73.5 × 2(double pick) 680ppm 1000mpm,
flexible Rapier Vamatex() 190cm , 400ppm 760mpm, Gripper
Sulzer() 541cm 190ppm. 1028mpm, Water Jet Nissan(,
6) 230cm, 350ppm 805mpm Nuovo Pignone 330cm,

666

ppm

2200mpm



< 6> The Nissan Jet 1000 loom which is said to be capable of running at speeds of up to 1,000 p.p.m

ITMA 75

가

가

가

show

가

가

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가

가

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Gripper

Gripper

가

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