

1.

“ (as free as the air)”

. (positive pressure) (negative pressure) 가 ,

. , 가

. 490ppm , 50ppm 가 300ppm

. 가

. ESCAP가

가

.< 1>

,

.

2.

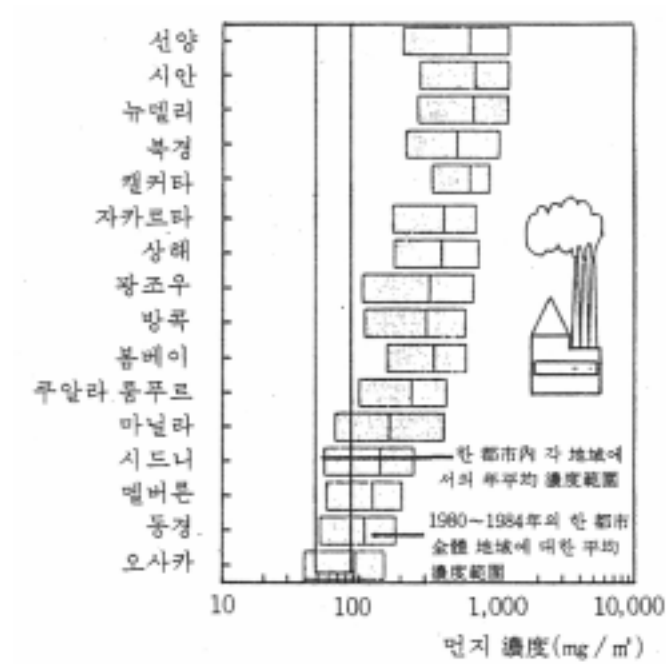
Luwa TexPac ,

24가

. , ,

, .

,



< 1> ESCAP

TexPac

(automatic panel filter

unit)가 가 ,

가 , 8,500 (1 8,760)

가 .

가 , 2mm

,

,

,

TexPac

가

,

(mixed air chamber unit) ,

,

가 ,

.

(rotary pre-filter unit) ,

(mesh)

.

,

.

(axial fan units)

,

.

(air washer unit) ,

, ,

, , /

, 가 .

(automatic panel filter unit) , 가

가 가

(cell)

. 가

.

30% ,

.

(electric panel) TexPac

Flakt

Bahnson

Blo-Thru

가

가

Bahnson

Luwa

Automatic Collecto-Vee Filter

V

(

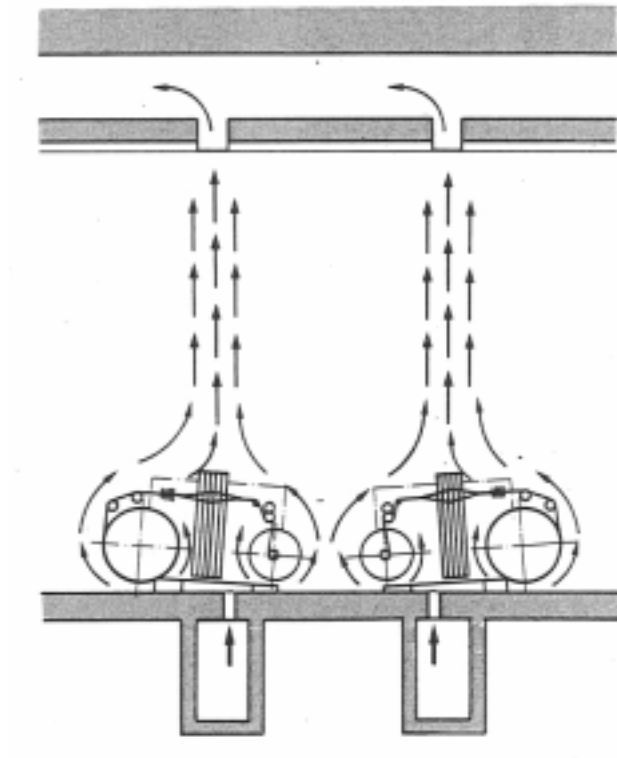
가

Sulzer

가

가

가



< 2> Sulzer 'Condifil'

Sulzer

20

Condifil

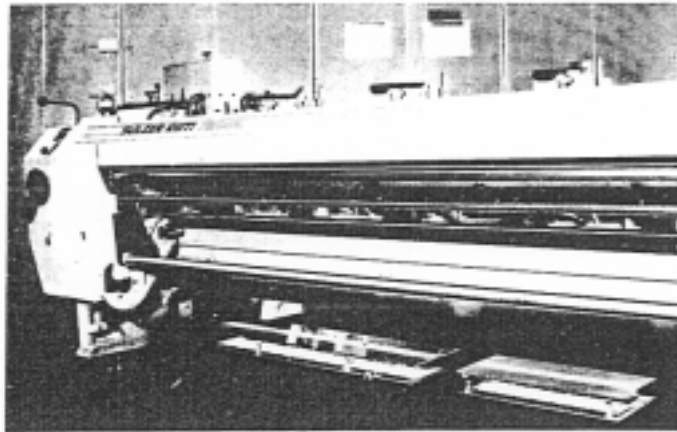
가

가

가

50~55%

， 加



< 3> ‘Condifl’

MagnaVac

Truair

，

．

加

Magna-Vac

Tubomatic Atomiser

．

加 ， ， ， 給濕化

．

，

，

，

．

，

± 1

$\pm 2\%RH$

加

．

3. (Vacuum Cleaning)

Wieland Lufttechnik

,

,

가

.

가

(blowgun)

,

.

Wieland

(80%)

,

浮遊物

가

.

Wieland

VS-3T Centralvac

,

(

),

(hose)

.

,

(

,

60~100kg

)

.

Wieland

‘Jet-Vac Textile’

.

,

(blowing-jet)

가

가

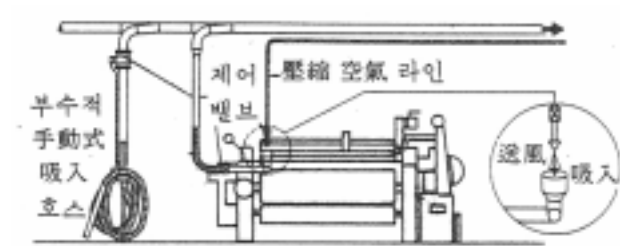
.

,

가

가

.



< 4> Wieland 'Jet-Vac Textile'

Wieland

,

. C-1, C-2 AP75-TS(C-2)

AP C-2 79dB 가 .

SN

.

Maschinenfabrik Max Jungbauer

,

. Jungbauer

3,000m

,

.

收支面

가

.

(waste)

,

.

. 가

, ,

가 .

Jungbauer

· ,

· , 2

4 ,

·

가 .

5~10 ,

1~2 .

MagnaVac

·

(dust hood)

,

·

·

·

(UK Health and Safety Execututive)

(table-type) 가

·

·

4. (frame cleaner)

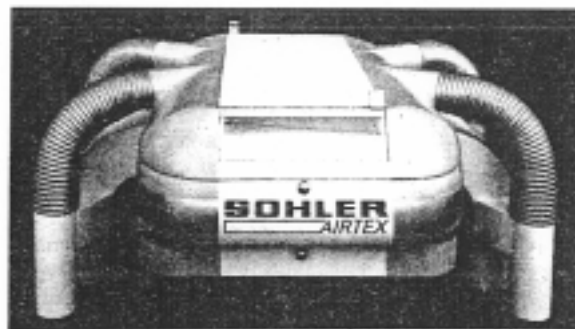
,

. Sohler Airtex SP88 Turbo
, (flap) (damper)

. 가

. (spinwinder)

.



< 5> Sohler Airtex ‘SP 88’

Sohler

, SP100 S 4kW , 10,000

. 가 250 μ

,

. 가 Sohler

Airtex

가

가

.

Stemmann

Top Duct

,

가

.

Top Duct

가 ,

,

, U

S

.

Stemmann

Mackie

가

Top Duct

.

가

,

,

가

.

Stemmann

,

(plush),

(velour),

(velvet)

.

Electro-Jet

.

가

가

,

.

가

SEH

가

,

. LS-1-AZ

Zinser

,

,

(wharve shaft)

(clipper)

.
 ,
 .
 Electro-Jet LS-1 ASW 2 (blowing sleeve)
 , (sleeve)
 .
 Co-We-Mat LS-1
 가 .
 Bahnson Parks Cramer
 Magitex
 . Magi-Clean
 (load-bearing chain)
 .
 8~15 .
 Magi-Clean 가 가 ,
 (duct)가 .
 .
 . Stemann Mackie 가
 , .
 Jacobi 가
 , Rieter/Murata Zinser/Schlafhorst(KWE 160ZA), Zinser/Murata
 (KWE200S) . KWE

200S Zinser

. KWE 200

‘filament piecing automat’가 Zinser 420

. Jacobi 가

.

5.

/

,

.

,

.

.

(briquette)

.

,

.

,

/

.

Trützschler 가

/

,

.

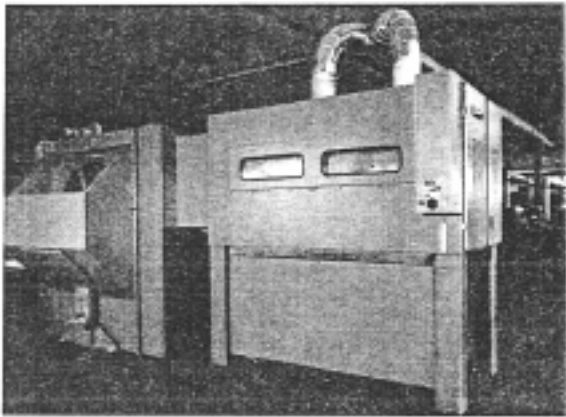
가

,

Filter SF 2가 ,
 .
 6.5m²
 (filter bag) . 背壓 가 가 ,
 가 .
 2 Rotary Air Filter SFS
 가 , 가
 가 1.9² (dust-cage)
 .
 , Filter SF 2 背壓 가 ,
 가 背壓 ,
 . 30 (33m²) ,
 .
 ,
 .
 SF2 4000m²/h , SFS 8000m²/h .
 가
 SFV 1500m²/h , SFF
 15000, 30000 45,000m²/h . SFV
 (4.5m²)

(truck)

SFF (10m) ‘SFV’
가

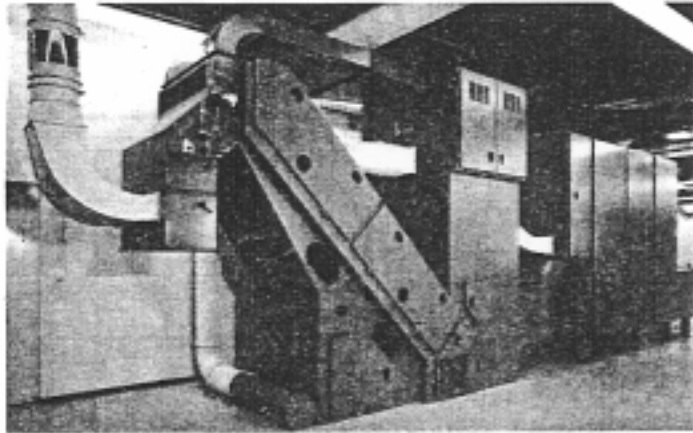


< 6> Trützschler ‘Pre-Filter SFV’() ‘Fine Filter SFF’()

Trützschler Exactacork DK 715 가
(flat)

2,300m²/h

가 가



< 7> Trützschler ‘Willomat RMS Automatic Waste cleaner’

가 ,

.

가 ,

. Willomat RMS Automatic Waste cleaner가

, (trash) 가

.

, 45°

6 , 5

가 가 .

.

LVSA 가

,

3~60 .

,

. 2

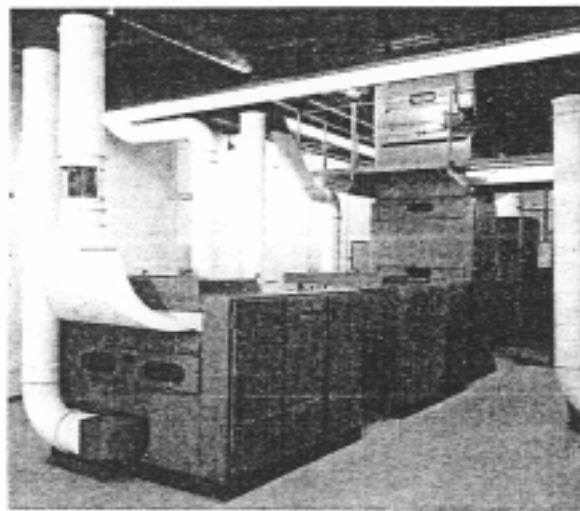
, Elevator ELV

. Willomat RMS가

,

가

.



< 8> Trützschler Novacotonia NCZA Double Waste Cleaner'

Novacotonia NCZA Double Waste Cleaner

Willomat RMS

,

Willomat

Novacotonia

. Willomat

LVSA

BE 1200

가 ,

BE 1200

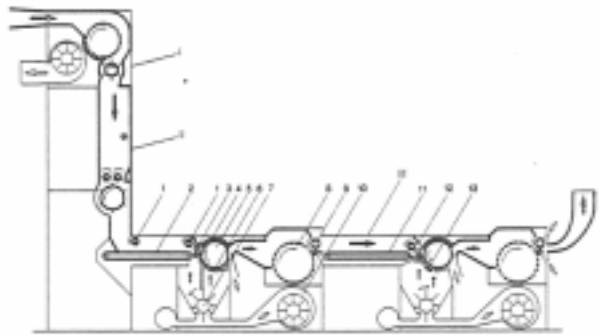
,

,

가 ,

,

.



< 9> Trützscher 'Novacotonia NCZA'

Trützscher

LVSA RotoCleaner BEA ,
 . 1~5
 6~30 (pass) .
 Novacotonia NCA , 2 NCA
 (bucket wheel lock) . Novacotonia
 가
 , (feed-roll tray)
 0.1mm .
 가 60~70kg/h

(), , (trash) ,
 , 2 .

70kg/h , Rotocleaner BEA
Novacotonia NCA Willomat RMS
Novacotonia NCZA
가 . 200kg/h
Willomat Novacotonia
.
가
가
.
 ,
.
.
 , 가
.
Pneumafil
 ,
가 가 .
가 가
 ,
.
가 가 , 가
 ,
.

(briquetting) SDF

, .

가

65mm, 가 50~75mm 炭(briquette) . 가

45kg 460mm 가

475kg/m² .

.

, 炭

.

‘LTG ,

.

LTG TFC(TFB

가) .

,

, .

,

.

LTG (TFB)가 (V-

) , 가

. HBA

가 12,600~21,000kJ/kg

炭 , 炭

.

,

가

.

,

가

.