

CAFU Belt Cleaner Solution Rev.5

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No.1: Primary PU Belt Cleaner (CF-HPU)



1. Description

- Installed on the head pulley to provide effective cleaning.
- Wear-resistant polyurethane blade doesn't damage the belt and extends belt service life.
- Self-adjusting spring tensioners maintain consistent pressure for stable cleaning performance. When the blade wears or the belt vibrates, the scraper automatically follows the belt surface to keep tight contact.

2. Features

- Applicable for conveyor belts with width from 450mm to 2400mm
- Replaceable polyurethane blade design
- Simple installation
- Low daily maintenance workload
- Self-adjusting spring tension structure
- Effectively prolong conveyor belt service life

3. Technical Specifications

Model	Belt Width (mm)	Blade Width L (mm)	Pole Length (mm)	Blade Height H (mm)
CF-HPU-50	500	Belt width minus 50mm, 100mm, or 200mm	1500	182
CF-HPU-60	600	Belt width minus 50mm, 100mm, or 200mm	1600	182
CF-HPU-80	800	Belt width minus 50mm, 100mm, or 200mm	1800	182
CF-HPU-100	1000	Belt width minus 50mm, 100mm, or 200mm	2000	182
CF-HPU-120	1200	Belt width minus 50mm, 100mm, or 200mm	2200	182

CF-HPU-140	1400	Belt width minus 50mm, 100mm, or 200mm	2400	182
CF-HPU-160	1600	Belt width minus 50mm, 100mm, or 200mm	2600	182
CF-HPU-180	1800	Belt width minus 50mm, 100mm, or 200mm	2800	182
CF-HPU-200	2000	Belt width minus 50mm, 100mm, or 200mm	3000	182

4. Applications

- Belt Width: 450~2400mm
- Belt Speed: ≤ 3.5 m/s
- Operating Temperature: $-40 \sim 80$ °C
- Maximum Material Humidity: $\leq 15\%$

5. Remark

- Blade width and pole length can be customized according to customer requirements.
- For primary cleaners, the blade width shall match the material conveying area on the belt. Normally the blade width is narrower than the belt width; three standard sizes are available: belt width minus 50mm, 100mm or 200mm.

No.2: Heavy-Duty PU Belt Cleaner (CF-ZHPU)



1. Description

CF-ZHPU Heavy-duty Polyurethane Belt Cleaner is specially developed for high-speed conveyor systems. Equipped with thickened heavy-duty PU blades, it greatly extends the overall service life of the cleaner.

2. Features

- Thickened heavy-duty polyurethane blade design for long service life
- Self-adjusting spring tension structure to maintain stable cleaning pressure
- Simple installation and convenient daily maintenance
- Effectively remove heavy bonded materials on high-speed belts without damaging the conveyor belt

3. Technical Specifications

Model	Belt Width (mm)	Blade Width L (mm)	Pole Length (mm)	Blade Height H (mm)
CF-ZHPU-50	500	Belt width minus 50mm, 100mm, or 200mm	1500	250
CF-ZHPU-65	650	Belt width minus 50mm, 100mm, or 200mm	1600	250
CF-ZHPU-80	800	Belt width minus 50mm, 100mm, or 200mm	1800	250
CF-ZHPU-100	1000	Belt width minus 50mm, 100mm, or 200mm	2000	250
CF-ZHPU-120	1200	Belt width minus 50mm, 100mm, or 200mm	2200	250
CF-ZHPU-140	1400	Belt width minus 50mm, 100mm, or 200mm	2400	250
CF-ZHPU-160	1600	Belt width minus 50mm, 100mm, or 200mm	2600	250
CF-ZHPU-180	1800	Belt width minus 50mm, 100mm, or 200mm	2800	250
CF-ZHPU-200	2000	Belt width minus 50mm, 100mm, or 200mm	3000	250

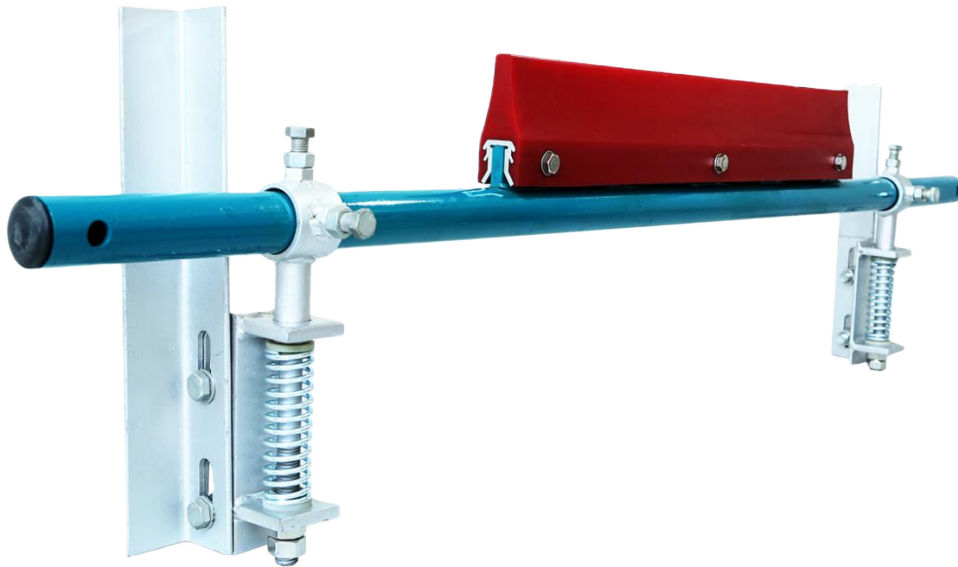
4. Applications

- Belt Width: 450~2400mm
- Belt Speed: >3.5 m/s
- Operating Temperature: -40 ~ 90 °C
- Maximum Material Humidity: ≤ 15%

No.3: Secondary PU Belt Cleaner (CF-PPU)

1. Description

- CF-PPU Secondary Polyurethane Belt Cleaner can be installed at any secondary cleaning position, generally around 100mm away from the position where the belt departs the head pulley.
- Matched with primary belt cleaners, it is equipped with a self-adjusting spring tensioner system. It can keep tight contact with the belt surface without damaging the belt, achieving excellent residual material cleaning effect.



2. Technical Specifications

Model	Belt Width (mm)	Blade Width L (mm)	G	Pole Length A (mm)	Weight (Kg)
CF-PPU-50	500	500	According to conditions of the site.	1500	19
CF-PPU-60	600	600	According to conditions of the site.	1600	22
CF-PPU-80	800	800	According to conditions of the site.	1800	25
CF-PPU-100	1000	1000	According to conditions of the site.	2000	28
CF-PPU-120	1200	1200	According to conditions of the site.	2200	31
CF-PPU-140	1400	1400	According to conditions of the site.	2400	34
CF-PPU-160	1600	1600	According to conditions of the site.	2600	37
CF-PPU-180	1800	1800	According to conditions of the site.	2800	40
CF-PPU-200	2000	2000	According to conditions of the site.	3000	43

2. Applications

- Belt Width: 450~2400mm
- Belt Speed: ≤ 3.5 m/s
- Operating Temperature: $-40 \sim 90$ °C
- Maximum Material Humidity: $\leq 15\%$

No.4: Heavy-Duty Secondary PU Belt Cleaner (CF-ZPPU)



1. Description

CF-ZPPU Heavy-Duty Secondary PU Belt Cleaner is designed for high-speed conveyor systems.

2. Features

The heavy-duty PU blade adopts enlarged size, which prolongs the service life of the cleaner.

3. Technical Specifications

Model	Belt Width (mm)	Blade Width L (mm)	Pole Length A (mm)	Blade Height H (mm)	G	Weight (Kg)
CF-ZPPU-50	500	500	1500	200	According to conditions of the site.	21
CF-ZPPU-60	600	600	1600	200	According to conditions of the site.	24
CF-ZPPU-80	800	800	1800	200	According to conditions of the site.	28
CF-ZPPU-100	1000	1000	2000	200	According to conditions of the site.	32
CF-ZPPU-120	1200	1200	2200	200	According to conditions of the site.	34
CF-ZPPU-140	1400	1400	2400	200	According to conditions of the site.	37
CF-ZPPU-160	1600	1600	2600	200	According to conditions of the site.	40
CF-ZPPU-180	1800	1800	2800	200	According to conditions of the site.	43
CF-ZPPU-200	2000	2000	3000	200	According to conditions of the site.	46

4. Applications

- Belt Width: 450~2400mm
- Belt Speed: >3.5 m/s
- Operating Temperature: -40 ~ 90 °C
- Material Humidity: ≤ 15%

No.5: Secondary PU&Alloy Belt Cleaner (CF-PPA)



1. Description

CF-PPA Secondary PU&Alloy Belt Cleaner can be mounted in any secondary cleaning position -- usually about 100mm from when the belt leaves the head pulley.

2. Features

The PU Blade has a Tungsten Carbide Tip.

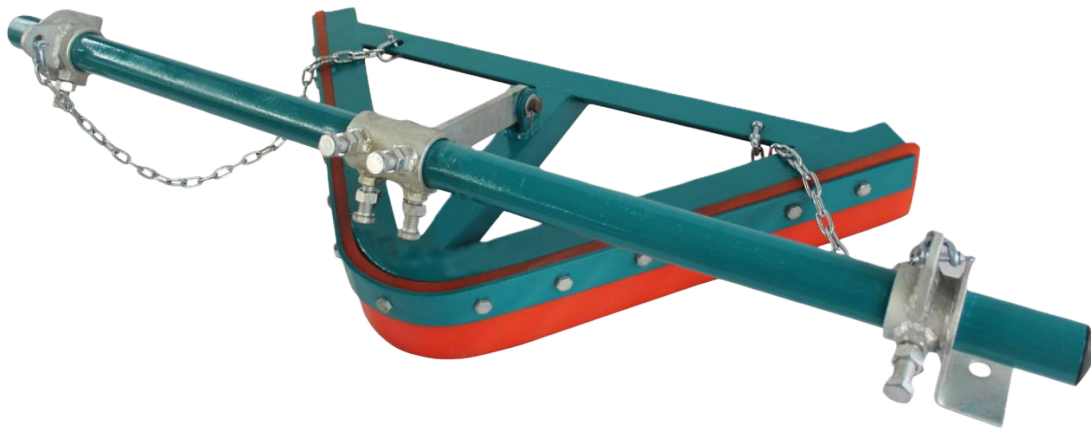
3. Applications & Technical Specifications

- Belt Width:450~2400(mm)
- Suitable for both mechanical or vulcanized joint belt.
- Suitable for tough applications with wet,sticky carry-back.
- Unique spring tension.

Model	Belt Width (mm)	Blade Width L (mm)	G	Pole Length A (mm)	Weight (Kg)
CF-PPA-60	600	600	According to conditions of the site.	1600	33
CF-PPA-80	800	800	According to conditions of the site.	1800	37
CF-PPA-100	1000	1000	According to conditions of the site.	2000	40
CF-PPA-120	1200	1200	According to conditions of the site.	2200	43

Model	Belt Width (mm)	Blade Width L (mm)	G	Pole Length A (mm)	Weight (Kg)
CF-PPA-140	1400	1400	According to conditions of the site.	2400	47
CF-PPA-160	1600	1600	According to conditions of the site.	2600	50
CF-PPA-180	1800	1800	According to conditions of the site.	2800	53
CF-PPA-200	2000	2000	According to conditions of the site.	3000	57

No.6: V-Plough Belt Cleaner (Return Belt Cleaner) (CF-KQ)



1. Description

V-Plough Belt Cleaner is used to clean the inside of the return belt.

2. Features

- Special polyurethane blade.
- Low friction coefficient.
- Anti-corrosion.
- Without damaging the belt.
- Simple structure.
- Easy-to-maintenance.

3. Applications & Technical Specifications

- Belt Width: 450~2400(mm)
- Belt Speed: ≤ 3.5 (m/s)
- Temperature: -40~90 C
- Material Humidity: $\leq 15\%$

Model	Belt Width (mm)	L1 (mm)	Pole Length L (mm)	H (mm)	M(mm)	d(mm)	Weight (Kg)
CF-KQ-50	500	322	1000	315	55	50	20
CF-KQ-60	600	395	1100	315	55	50	24
CF-KQ-80	800	460	1300	315	55	50	28
CF-KQ-100	1000	566	1500	315	55	50	38
CF-KQ-120	1200	672	1700	315	55	50	44
CF-KQ-140	1400	772	1900	315	55	50	48
CF-KQ-160	1600	866	2100	368	70	60	54
CF-KQ-180	1800	972	2300	368	70	60	58
CF-KQ-200	2000	1072	2500	368	70	60	65

No.7: Diagonal Plow Belt Cleaner (CF-ZKQ)



1. Description

Suitable for high speed conveyor.
 Improved polyurethane blade makes sure good cleaning efficiency.

2. Features

Increased height and thickness extend belt cleaner's service life.

3. Applications & Technical Specifications

- Belt Width: 450~2400mm

- Belt Speed: ≥ 3.5 (m/s)
- Material Humidity: $\leq 15\%$
- Temperature: -40~90 C

Model	Belt Width(mm)	L1 (mm)	L (mm)	Weight (Kg)
CF-ZKQ-50	500	332	1000	24
CF-ZKQ-60	600	405	1100	30
CF-ZKQ-80	800	470	1300	38
CF-ZKQ-100	1000	576	1500	46
CF-ZKQ-120	1200	682	1700	54
CF-ZKQ-140	1400	782	1900	62
CF-ZKQ-160	1600	876	2100	70
CF-ZKQ-180	1800	982	2300	78
CF-ZKQ-200	2000	1082	2500	85

No.8: H-Type Primary Belt Cleaner (CF-DTEH)



1. Description

- DTEH H-Type Primary Belt Cleaner is optimally mounted in the head of the pulley to drop carryback right at the transfer point.
- H-type belt cleaner features its cleaner blades, which have tungsten carbide tips. Tungsten carbide offers excellent wear resistance, so longer service life is possible.

2. Technical Specifications & Material Parameters

Cleaner Blade:

- tungsten carbide tips: YG6
- aluminum bracket

Rubber Cushion:

- material: NR/SBR
- hardness: 60±5 Shore A
- tensile strength: 20 MPa
- elongation at break: 500%
- density: 1.16 g/cm³

Cleaner pole and adjusting bracket: Q235

Technical Dimension Table

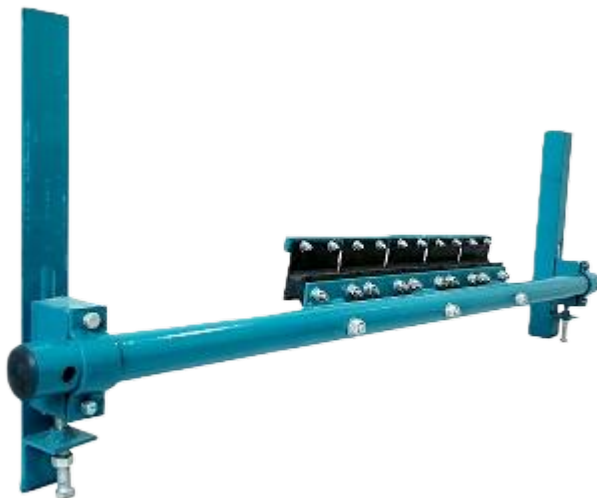
Belt Width (mm)	B (mm)	L (mm)	D (mm)	L1 (mm)	L2 (mm)	α
500	400	1400	500	410	90	30°
650	600	1600	630	434	164	30°
800	800	1800	500	410	90	30°
800	800	1800	630	434	164	30°
800	800	1800	800	490	323	15°
800	800	1800	1000	515	418	15°
800	800	1800	1250	548	540	15°
800	800	1800	1400	566	612	15°
800	800	1800	1600	592	709	15°
1000	1000	2000	630	434	164	30°
1000	1000	2000	800	490	323	15°
1000	1000	2000	1000	515	418	15°
1000	1000	2000	1250	548	540	15°
1000	1000	2000	1400	566	612	15°
1000	1000	2000	1600	592	709	15°
1200	1200	2200	630	434	164	30°
1200	1200	2200	800	490	323	15°
1200	1200	2200	1000	515	418	15°
1200	1200	2200	1250	548	540	15°
1200	1200	2200	1400	566	612	15°
1200	1200	2200	1600	592	709	15°
1400	1400	2400	1000	515	418	15°
1400	1400	2400	1250	548	540	15°
1400	1400	2400	1400	566	612	15°
1400	1400	2400	1600	592	709	15°

Belt Width (mm)	B (mm)	L (mm)	D (mm)	L1 (mm)	L2 (mm)	α
1600	1600	2600	1000	515	418	15°
1600	1600	2600	1250	548	540	15°
1600	1600	2600	1400	566	612	15°
1600	1600	2600	1600	592	709	15°
1800	1800	2800	1000	515	418	15°
1800	1800	2800	1250	548	540	15°
1800	1800	2800	1400	566	612	15°
1800	1800	2800	1600	592	709	15°
2000	2000	3000	1000	515	418	15°
2000	2000	3000	1250	548	540	15°
2000	2000	3000	1400	566	612	15°
2000	2000	3000	1600	592	709	15°

Parameter Definition:

B = Blade Width, L = Total Pole Length, D = Installation Span, L1/L2 = Mounting Size, α = Installation Angle

No.9: P-Type Primary Belt Cleaner (CF-DTEP)



1. Description

DTEP P-Type Secondary Belt Cleaner is used to clean the return belt, which is installed on the place where the belt leaves the head pulley.

2. Material Parameters

Cleaner Blade:

- tungsten carbide tips: YG6
- -aluminum bracket

Rubber Cushion:

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All rights of interpretation belong to CAFU. No separate notice will be given for any updates.

- material: NR/SBR
- hardness: 60±5 Shore A
- tensile strength: 19 MPa
- elongation at break: 500%
- density: 1.110 g/cm³

Cleaner pole and adjusting bracket

No.10: Motorized Brush Style Belt Cleaner (CF-XQ-I)



1. Description

Motorized Brush Style Belt Cleaner is used to clean the return belt, which is installed on the place where the belt leaves the head pulley.

2. Features

Brush material: nylon, 304 stainless steel at high temperature.

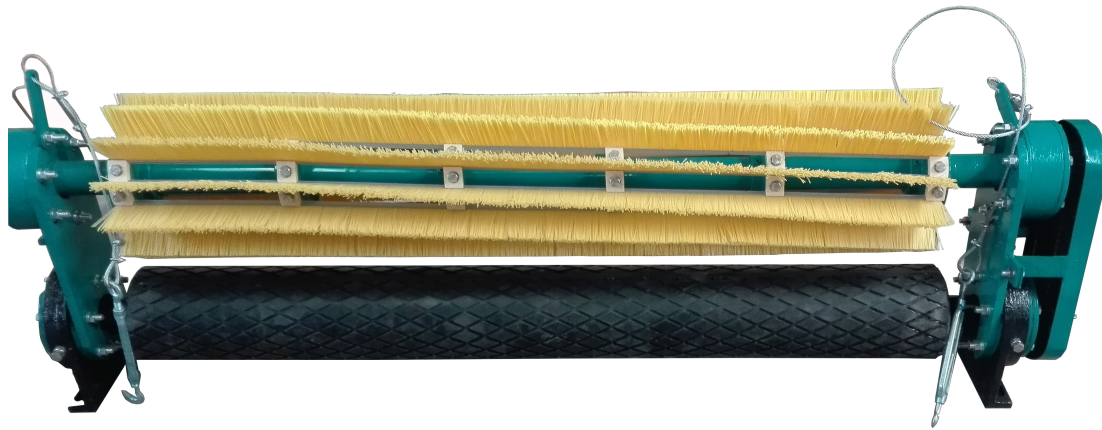
3. Applications & Technical Specifications

- Belt Width: 500~1400mm
- Suitable for all belt speeds
- Material Humidity: ≤5%
- Suitable for patterned and flat belts

Model	Belt Width(mm)	L1 (mm)	L2(mm)	Weight (Kg)
CF-XQ-I-50	500	500	850	68
CF-XQ-I-65	650	650	1300	75
CF-XQ-I-80	800	800	1300	80
CF-XQ-I-100	1000	1000	1590	87
CF-XQ-I-120	1200	1200	1750	95

Model	Belt Width(mm)	L1 (mm)	L2(mm)	Weight (Kg)
CF-XQ-I-140	1400	1400	2130	116

Belt-Driven Version



Order Instructions

Required Information for Accurate Quotation

Please provide the following key information to us:

- Types of materials to be conveyed and processed
- Conveyor belt width and running speed
- Humidity level of the on-site working environment
- Purchase quantity for each model

We will provide you with an accurate formal quotation immediately after you confirm all the above details.

Warranty

We offer a 12-month product warranty.

If any product failure occurs after you receive the goods (or during your resale process), please take photos or record videos of the defective items and send them to us. Once we verify the issue, we will deliver a targeted solution to you at the earliest time.