

Innovative Solution For Removal Of Particles

# POLYSYS



CLEANING ROLLER



ADHESIVE ROLL



HAND ROLLER



STICKY MAT



TCP

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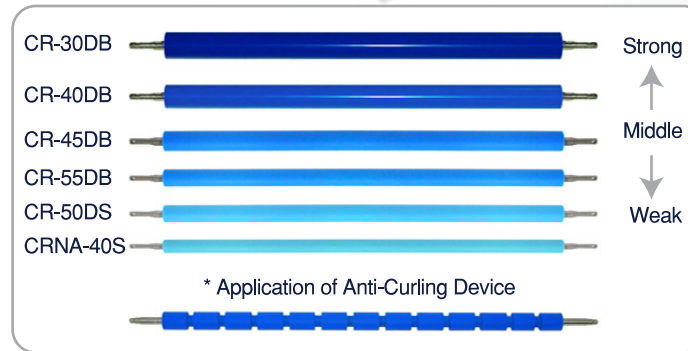
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## CLEANING ROLLER

### ✓ FEATURES

- The main component is high molecular polymer
- No damage to the surface of cleaning material
- Stable property of matter
- No generation of organic contaminants from the roller
- Stable thermostable within 150°C
- Electrification prevention treatment(option)



### ✓ SPECIFICATION

Product	Roller Hardness (shore 'A')	Adhesive Power (gf/gf25mm)	Thickness of Applied Object (Anti-curling device)	Size(mm)	Color	Application
CR-50DS	50°	Low	Over 100µm (0.05~2.5mm)	Bespoke Product	Sky	<ul style="list-style-type: none"> <li>• Silk Screen, Window, LCD, PCB, FPCB etc.</li> <li>• Glass, TFT, LGP etc.</li> <li>• Install gap block in case of great difference of thickness between the objects</li> </ul>
CR-55DB	55°	Weak	Over 100µm (0.05~2.5mm)		Blue	
CRSA-55D1S	55°		Over 100µm (0.05~2.5mm)		Sky	
CR-45DB	45°	Strong	Over 150µm (0.05~2.5mm)		Blue	
CRSA-45D1S	45°		Over 150µm (0.05~2.5mm)		Sky	
CR-40DB	40°	Middle	Over 120µm (0.05~2.5mm)		Blue	
CRSA-40D1S	40°		Over 120µm (0.05~2.5mm)		Sky	
CR-30DB	30°		Strong		Over 150µm (0.05~2.5mm)	
CRSA-30D1S	30°	Over 150µm (0.05~2.5mm)			Sky	

Product	Roller Hardness (shore 'A')	Adhesive Power	Thicknes of Applied Object (Anti-curling device)	Size(mm)	Application
CRCP-40TS	40°	Strong	Over 120µm (0.05~2.5mm)	Bespoke Product	• chemical resistance
CRCP-50TS	48°	Strong	Over 120µm (0.05~2.5mm)		
CRNA-40S	40°	Weak	Over 95µm		• synthetic Rubber, surface resistance 10 <sup>9</sup> Ω, SMT only

## SPECIALIZED PRODUCT OF HIGH ADHESIVE POWER



Washable Cleaning Roller

### ✓ FEATURES

- Specialized product with special high molecular base has high adhesive power.



## ADHESIVE ROLL



### ✓ FEATURES

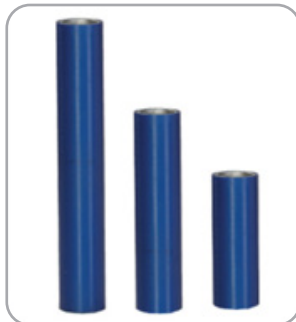
Adhesive roll is installed in upper and lower part of the cleaning machine removes dusts and particles on the surface of cleaning roller with real-time system.



### ✓ FEATURES

To solve the defect of existing adhesive rolls that is static electricity generation, the electrification function has been added to the existing adhesive rolls. ( $10^9 \Omega$ )

## WASHABLE ADHESIVE ROLL



### ✓ FEATURES

- Used special adhesion high molecular polymer roll instead of existing adhesive roll.
- Remove particles on the surface of cleaning roller more effectively.
- If can be reused after washing it with the water or appropriate cleaning solution.

### ✓ SPECIFICATION

Model	Color (logo)	Adhesive Material	Size (mm)	Thickness (mm)	I.D (inch,mm)	Length (mm)	Strength of Adhesion(gf/25mm)	Surface Resistivity( $\Omega/m^2$ )	The way to clean TCP
Adhesive Roll tape	White(BLUE)	P.P(Yupo)	100~1600 etc.	0.1	3(inch)	20	650 $\pm$ 50	10 <sup>14</sup> over	Peeling
Anti-Static Adhesive Roll tape	White (GREEN)	P.P(Yupo)	100~1600 etc.	0.1	3(inch)	20	400 $\pm$ 50	10 <sup>9</sup>	Peeling
Washable Adhesive Roll(WAR)	Blue	Rubber	450, 615, 650, etc.	8	70(mm)	-	above 2000	10 <sup>7</sup> ~10 <sup>8</sup>	Water / Cleaning Solution

## MANUAL CLEANER SERIES



### HR-30 Series [R, G, B Type]



#### ✓ FEATURES

- Small hand roller for detailed manual work
- 3 types of adhesive force (high, middle, low) for multiplicity work environment

### PHC-5 Series [R, G, B Type]



#### ✓ FEATURES

- Small adhesive stick is used to remove the dust of small space
- 3 types of adhesive force (high, middle, low) for multiplicity work environment

### PHC-15R Series [R, G, B Type]



#### ✓ FEATURES

- Small adhesive stick is used to remove the dust of small space
- Is used for easy lift up of the thin materials

#### ✓ SPECIFICATION

Model		Color of Roller	Adhesive Power	Anti-static Function	Size(mm)	Roll Size(mm)	Weight(g)	Remarks	
HR	30	R	Red	High	40(W)x110(H)x20(D)	30(W) x Φ20	80	Provide 3types (Low, Middle, High) for Various Working Environments	
		G	Green	Middle					X
		B	Blue	Low					
PHC	5	R	Red	High	130(L) x Φ6	6(W) x Φ6	20		
		G	Green	Middle					X
		B	Blue	Low					
	15	R	Red	High	190(L) x Φ15	15(W) x Φ15	9		

## MANUAL CLEANER SERIES



### HR-RED Type [HR-150R, 250R, 350R]



#### ✓ FEATURES

- Adhesive force: **HIGH**
- The main component is high molecular polymer
- Stable property of matter
- Electrification prevention function is applied on the roll and frame. (surface resistance: Over  $10^8 \Omega$ )

### HR-GREEN Type [HR-150G, 250G, 350G]



#### ✓ FEATURES

- Adhesive force: **MIDDLE**
- The main component is high molecular polymer.
- Stable property of matter
- Organic contamination is not generated from the surface of roller
- Electrification prevention function is applied on the frame.

### HR-BLUE Type [HR-150B, 250B, 350B]



#### ✓ FEATURES

- Adhesive force: **LOW**
- The main component is high molecular polymer.
- Stable property of matter
- Organic contamination is not generated from the surface of roller
- Electrification prevention function is applied on the frame.

#### ✓ SPECIFICATION

Model		Color of Roller	Adhesive Power	Anti-static Function	Size(mm)	Roll Size(mm)	Weight(g)	Remarks	
HR	350	R	Red	High	377(W)x210(H)x30(D)	350(W)xΦ30	420	Frame with Permanently Anti-Static Electricity Function (Basic Option)	
		G	Green	Middle					○
		B	Blue	Low					×
	250	R	Red	High	272(W)x210(H)x30(D)	245(W)xΦ30	360		
		G	Green	Middle					○
		B	Blue	Low					×
	150	R	Red	High	177(W)x210(H)x30(D)	150(W)xΦ30	220		
		G	Green	Middle					○
		B	Blue	Low					×

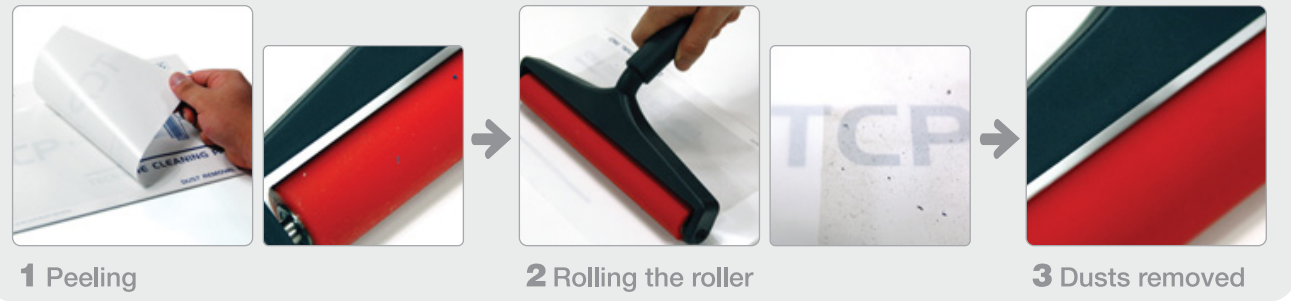
## TCP AMS Cleaning Pad



### ✓ FEATURES

- Special adhesive of high adhesive power is applied to the product.
- The adhesives are evenly applied on the cleaning pad, therefore the each cleaning pad has uniform adhesive power.
- Organic contaminants that can cause secondary contamination will not be transferred to the product from the cleaning pad.

### ✓ MANUAL



## WASHABLE TCP



### ✓ FEATURES

- Washable TCP pad is used to remove dusts and particles on the surface of manual cleaner or hand roller.
- Wash the surface of washable TCP pad with the water or appropriate cleaning solution.
- It lasts for a long time and the existing problem of industrial waste generation has been completely solve.

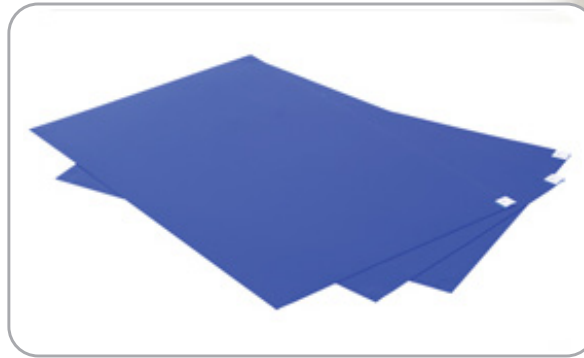
### ✓ SPECIFICATION

Product	Size(mm)	Sheet/Set	Strength of Adhesion (gf/25mm)	Surface Resistivity ( $\Omega/m^2$ )	The Way to Clean	Color
<b>TCP</b>	330 x 240	50 sheet/1Vol.	2,000	-	Peeling	White
<b>Washable TCP</b>	380 x 280 x 6(T)	1 sheet	4500±50	$10^7 \sim 10^8$	Water/Cleaning Solution	Red

## STICKY MAT

### ✓ FEATURES

- Sticky mat is used to remove dusts and particles on the shoes and cart's wheel right before clean room's entrance.



## WASHABLE STICKY MAT

### ✓ FEATURES

- Washable sticky mat is used to remove dusts and particles on the shoes and cart's wheel right before clean room's entrance.
- The product can be reused after cleaning it with the water or appropriate cleaning solution. It lasts for a long time and generates almost no industrial waste.



### ✓ SPECIFICATION

Product	Size(mm)	Sheet/Set	Strength of Adhesion	Surface Resistivity( $\Omega/m^2$ )	The Way to Clean	Color
<b>Sticky Mat</b>	600 x 900	30 sheet/1Vol.	400±500	-	Peeling	Blue
<b>Washable Sticky Mat 1000</b>	1100 x 1000 x 12(T)	1 sheet	2500±50	$10^7 \sim 10^8$	Water/Cleaning Solution	
<b>Washable Sticky Mat 800</b>	1000 x 800 x 12(T)					