



Modular Screen Media Comparison: Wire Mesh vs Polyurethane vs Rubber Panels

Compare screen media types: wire mesh, polyurethane, rubber. Cost, wear life, efficiency analysis for aggregate screening applications.

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Your vibrating screen processes 300 TPH of crushed granite. The wire mesh panels you installed three months ago have worn through—again—requiring a ₹45,000 replacement and 8 hours of downtime. Meanwhile, the quarry across the valley runs similar material through polyurethane panels that last 9 months. Your annual screen media cost: ₹5.4 lakhs plus 96 hours downtime. Their cost: ₹2.8 lakhs and 16 hours downtime. The difference isn't luck—it's understanding which screen media matches which application. Wrong media selection is the most expensive recurring mistake in aggregate screening operations.

Screen media selection directly impacts screening efficiency, product quality, operating costs, and maintenance downtime. The "best" media type depends on material characteristics, aperture size, screen configuration, and operating conditions. A media choice that excels in one application fails catastrophically in another.

This comprehensive guide compares wire mesh, polyurethane, and rubber screen media across all performance dimensions. We provide specific selection criteria, cost calculations, and application guidelines for Indian aggregate and mining operations. Whether screening primary crusher product or producing IS 383-compliant manufactured sand, this analysis ensures optimal media selection for your operation.

Chapter 1: Understanding Screen Media Fundamentals

1.1 The Role of Screen Media

Screen media performs three essential functions:

1. **Size Classification:** Separate particles by size through defined apertures
2. **Material Support:** Carry material load while transmitting vibration energy
3. **Wear Surface:** Withstand abrasion from moving material

Screen Media Performance Parameters:

PARAMETER	DEFINITION	IMPACT ON OPERATION
Open Area (%)	Percentage of media surface that is aperture	Higher = more capacity, but less strength
Aperture Accuracy	Consistency of hole size	Affects cut point precision
Wear Life	Operating hours before replacement	Maintenance cost and downtime
Pegging Resistance	Resistance to particle lodging in apertures	Affects efficiency and blinding
Noise Level	Sound generated during operation	Worker exposure, compliance
Weight	Mass per unit area	Screen structural load, handling

1.2 Media Type Overview

MEDIA TYPE	PRIMARY MATERIAL	TYPICAL APERTURE RANGE	PRIMARY APPLICATIONS
Woven Wire Mesh	High-carbon steel, stainless steel	1mm - 150mm	All screening applications
Polyurethane Panels	Polyurethane elastomer	0.5mm - 100mm	Fine/medium screening, wet applications
Rubber Panels	Natural/synthetic rubber	5mm - 150mm	Coarse screening, high-impact
Combination/Composite	PU/rubber with steel frame	Various	Specialized applications
Perforated Plate	Steel plate with punched holes	3mm - 200mm	Scalping, heavy-duty

Chapter 2: Wire Mesh Screen Media

2.1 Wire Mesh Types and Specifications

Wire Mesh Weave Patterns:

WEAVE TYPE	DESCRIPTION	OPEN AREA	BEST APPLICATION
Plain Weave	Over-under alternating pattern	60-70%	General screening, fine sizes
Double Crimp	Both wires crimped at intersection	55-65%	Abrasive materials
Triple Crimp	Extra crimps for stability	50-60%	Heavy-duty, large apertures
Flat Top	Top wires flattened	55-65%	High wear, stratification
Lock Crimp	Interlocked crimp pattern	50-60%	Heavy loads, mining
Slotted	Rectangular apertures	45-55%	Wet screening, elongated particles

Wire Material Specifications:

MATERIAL	HARDNESS	TENSILE STRENGTH	WEAR RESISTANCE	COST FACTOR
High Carbon Steel (65Mn)	45-50 HRC	1400-1600 MPa	Good	1.0x
Spring Steel (55Si2Mn)	48-53 HRC	1500-1800 MPa	Very Good	1.2x
Hardened Steel	55-60 HRC	1800-2000 MPa	Excellent	1.5x
Stainless Steel (304)	25-30 HRC	600-800 MPa	Moderate (corrosion resistant)	3.0x
Stainless Steel (316)	25-30 HRC	600-800 MPa	Moderate (high corrosion)	4.0x
Manganese Steel	Work hardens	1000-1200 MPa	Excellent (impact)	2.0x

2.2 Wire Mesh Advantages

ADVANTAGE	TECHNICAL BASIS	OPERATIONAL BENEFIT
Highest Open Area	Wire geometry allows 60-70% open area	Maximum capacity per unit area
Precise Apertures	Manufactured to tight tolerances	Accurate particle size separation
Cost Effective	Established manufacturing, commodity pricing	Lowest initial cost
Wide Size Range	Can produce any aperture 1mm to 150mm+	Suits any application
Self-Cleaning (Vibration)	Wire flexibility creates movement	Reduces blinding on inclined screens
Easy Availability	Standard product, multiple suppliers	Short lead times

2.3 Wire Mesh Disadvantages

DISADVANTAGE	TECHNICAL CAUSE	IMPACT
Shorter Wear Life	Point contact wear at wire intersections	More frequent replacement

DISADVANTAGE	TECHNICAL CAUSE	IMPACT
Noise Generation	Metal-to-metal contact	90-100+ dBA, hearing protection required
Pegging/Blinding	Rigid apertures trap near-size particles	Reduced efficiency, cleaning required
Corrosion	Steel exposed to moisture/chemicals	Accelerated wear in wet applications
Fatigue Failure	Wire work-hardens and cracks	Sudden failure, contamination risk
Installation Time	Tensioning requirements, hook strips	Longer changeout time

2.4 Wire Mesh Performance Data

Typical Wear Life by Application:

APPLICATION	MATERIAL	APERTURE	EXPECTED LIFE (HOURS)
Primary scalping	High carbon steel	75-100mm	1,500-2,500
Secondary dry screening	Spring steel	20-40mm	1,000-2,000
Tertiary product screening	Spring steel	5-20mm	600-1,200
Fine screening (dry)	Stainless steel	1-5mm	400-800
Wet screening	Stainless steel	Any	600-1,000
Sand production	High carbon	5-10mm	500-1,000

Chapter 3: Polyurethane Screen Media

3.1 Polyurethane Types and Properties

Polyurethane Chemistry Options:

PU TYPE	HARDNESS RANGE	PROPERTIES	BEST APPLICATION
Polyester-based	70-95 Shore A	High abrasion resistance, moderate hydrolysis resistance	Dry screening, abrasive materials

PU TYPE	HARDNESS RANGE	PROPERTIES	BEST APPLICATION
Polyether-based	70-95 Shore A	Excellent hydrolysis resistance, good abrasion	Wet screening, washing
MDI-based	80-95 Shore A	Higher mechanical strength	Heavy-duty applications
TDI-based	70-90 Shore A	Better flex properties	Fine screening, pegging resistance

Polyurethane Panel Configurations:

CONFIGURATION	DESCRIPTION	TYPICAL SIZE	APPLICATION
Modular Panels	Individual panels, bolt or pin mounting	305 x 305mm to 610 x 1220mm	Most screening applications
Cross-tension Panels	Long panels tensioned across screen width	Full width x 300-600mm	High-capacity fine screening
Injection Molded	Single-piece precision molded	Various	High-precision applications
Cast Panels	Poured and cured in molds	Various	Standard applications
Steel-backed	PU bonded to steel plate	Various	Heavy-duty, high-impact

3.2 Polyurethane Advantages

ADVANTAGE	TECHNICAL BASIS	OPERATIONAL BENEFIT
Superior Wear Life	Elastomer distributes wear across surface	3-5x life of wire mesh in abrasive applications
Reduced Noise	Elastomer dampens vibration	10-15 dBA reduction vs wire mesh
Anti-Pegging	Flexible apertures release trapped particles	Higher effective open area maintained
Chemical Resistance	Resistant to oils, mild acids/bases	Suitable for recycling, industrial applications
Lower Maintenance	No tensioning, quick-change mounting	Faster panel changes

ADVANTAGE	TECHNICAL BASIS	OPERATIONAL BENEFIT
Reduced Contamination	No wire breakage, no rust particles	Cleaner product

3.3 Polyurethane Disadvantages

DISADVANTAGE	TECHNICAL CAUSE	IMPACT
Lower Open Area	Thicker aperture walls required for strength	15-25% less capacity than wire mesh
Higher Initial Cost	Material and manufacturing cost	2-4x wire mesh purchase price
Temperature Sensitivity	Properties change with temperature	Limited to -20°C to +80°C continuous
UV Degradation	Sunlight breaks down polymer chains	Reduced life in outdoor applications
Aperture Stretching	Elastomer deforms under load	Aperture size increases 5-10% over life
Limited Coarse Sizes	Difficult to mold large accurate apertures	Generally limited to <100mm apertures

3.4 Polyurethane Performance Data

Typical Wear Life by Application:

APPLICATION	PU TYPE	APERTURE	EXPECTED LIFE (HOURS)	VS WIRE MESH
Fine aggregate screening	Polyether 85A	5-10mm	2,500-4,000	3-4x
Medium aggregate	Polyester 90A	10-25mm	3,000-5,000	3-4x
Coarse aggregate	Polyester 95A	25-50mm	4,000-6,000	2-3x
Wet screening	Polyether 85A	Any	3,000-5,000	4-5x
Sand washing	Polyether 80A	0.5-3mm	2,000-3,500	4-6x
Dewatering	Polyether 75A	0.3-1mm	1,500-2,500	3-4x

Chapter 4: Rubber Screen Media

4.1 Rubber Types and Properties

Rubber Compound Options:

RUBBER TYPE	HARDNESS RANGE	PROPERTIES	BEST APPLICATION
Natural Rubber (NR)	40-70 Shore A	Excellent tear and impact resistance	High-impact scalping
Styrene Butadiene (SBR)	50-80 Shore A	Good abrasion, moderate cost	General screening
Nitrile (NBR)	50-80 Shore A	Oil and chemical resistant	Recycling, industrial
EPDM	50-80 Shore A	Weather and ozone resistant	Outdoor applications
Blend (NR/SBR)	55-75 Shore A	Balanced properties	Most aggregate applications

Rubber Panel Configurations:

CONFIGURATION	DESCRIPTION	APERTURE TYPES	APPLICATION
Modular Panels	Bolt-on panels, steel frame	Square, round, slot	Standard screening
Tensioned Sheets	Full-width rubber with hook edges	Square, slot	Quick-change applications
Steel-core Panels	Steel cables embedded in rubber	Square	Heavy-duty, high-impact
Ceramic Insert	Ceramic tiles bonded in rubber	Various	Extreme abrasion
Flip-Flop Mats	Loose rubber mats with agitation	Large square/round	Sticky/clay material

4.2 Rubber Advantages

ADVANTAGE	TECHNICAL BASIS	OPERATIONAL BENEFIT
Impact Resistance	Elastic deformation absorbs energy	Excellent for primary scalping
Lowest Noise	Maximum vibration damping	15-20 dBA reduction vs wire mesh
Anti-Blinding	Flexible apertures, some designs vibrate panels	Handles sticky/clay materials
Light Weight	Lower density than steel or PU	Easier handling, lower screen load
Self-Cleaning	Flexible surfaces release material	Reduced carryover
Lowest Total Cost	Long life in suitable applications	Best economics for coarse/ impact

4.3 Rubber Disadvantages

DISADVANTAGE	TECHNICAL CAUSE	IMPACT
Lowest Open Area	Thick aperture walls for strength	25-35% less capacity than wire mesh
Poor Fine Screening	Cannot maintain small accurate apertures	Generally limited to >5mm apertures
Temperature Limits	Rubber degrades at high temperature	Limited to 60-70°C continuous
Cut Resistance	Sharp materials can slice rubber	Poor for angular/sharp particles
Aperture Distortion	Rubber stretches under load	Cut point less precise than wire mesh
Oil/Solvent Damage	Some compounds swell in hydrocarbons	Not suitable for oily materials

4.4 Rubber Performance Data

Typical Wear Life by Application:

APPLICATION	RUBBER TYPE	APERTURE	EXPECTED LIFE (HOURS)	VS WIRE MESH
Primary scalping	NR/SBR blend	75-150mm	4,000-8,000	2-3x
Secondary (impact)	SBR	40-75mm	3,000-5,000	2-3x
Coarse product	SBR	20-40mm	2,500-4,000	2-2.5x
Sticky material	Flip-flop NR	25-50mm	3,000-5,000	Unique application
Recycling	NBR	Various	2,500-4,000	2-3x

Chapter 5: Comparative Analysis

5.1 Performance Comparison Matrix

PERFORMANCE FACTOR	WIRE MESH	POLYURETHANE	RUBBER
Open Area	★★★★★ (60-70%)	★★★☆☆ (35-50%)	★★☆☆☆ (25-40%)
Wear Life	★★☆☆☆	★★★★★	★★★★☆
Aperture Precision	★★★★★	★★★★☆	★★★☆☆
Impact Resistance	★★☆☆☆	★★★☆☆	★★★★★
Noise Level	★☆☆☆☆ (Highest)	★★★★☆ (Low)	★★★★★ (Lowest)
Anti-Pegging	★★☆☆☆	★★★★★	★★★★☆
Fine Screening	★★★★★	★★★★☆	★☆☆☆☆
Wet Screening	★★☆☆☆	★★★★★	★★★☆☆
Initial Cost	★★★★★ (Lowest)	★★☆☆☆	★★★☆☆
Change Time	★★☆☆☆ (Slowest)	★★★★☆	★★★★☆

5.2 Cost Comparison Analysis

Initial Cost Comparison (per m² of screen area):

MEDIA TYPE	FINE (5MM)	MEDIUM (20MM)	COARSE (50MM)	SCALPING (100MM)
Wire Mesh	₹3,500-5,000	₹2,500-3,500	₹2,000-3,000	₹1,800-2,500
Polyurethane	₹12,000-18,000	₹10,000-15,000	₹8,000-12,000	₹7,000-10,000
Rubber	N/A	₹6,000-9,000	₹5,000-7,500	₹4,000-6,000

Total Cost of Ownership (TCO) Calculation Example:

Scenario: 6' x 20' screen, 20mm aperture, dry granite screening, 250 TPH, 4,000 hours/year

FACTOR	WIRE MESH	POLYURETHANE	RUBBER
Media cost per set	₹85,000	₹3,20,000	₹1,90,000
Expected life (hours)	1,200	4,500	3,500
Sets per year	3.3	0.9	1.1
Annual media cost	₹2,80,500	₹2,88,000	₹2,09,000
Change time (hours)	8	4	4
Changes per year	3.3	0.9	1.1
Downtime hours/year	26.4	3.6	4.4
Production loss @ ₹200/ton	₹13,20,000	₹1,80,000	₹2,20,000
Labor cost @ ₹2,000/change	₹6,600	₹1,800	₹2,200
Total Annual Cost	₹16,07,100	₹4,69,800	₹4,31,200
Cost per ton processed	₹1.61	₹0.47	₹0.43

△ **Key Insight:** Despite 3-4x higher purchase price, polyurethane and rubber provide lower total cost per ton due to extended wear life and reduced downtime. The production loss from frequent changeovers often exceeds media purchase cost differences.

5.3 Application-Specific Recommendations

APPLICATION	RECOMMENDED MEDIA	ALTERNATIVE	AVOID
Primary scalping (>75mm)	Rubber	Heavy wire mesh	Polyurethane
Secondary screening (20-40mm)	Polyurethane	Wire mesh (low hours)	-
Fine aggregate (5-20mm)	Polyurethane	Wire mesh	Rubber
Sand production (<5mm)	Polyurethane	Stainless wire mesh	Rubber
Wet screening	Polyurethane (polyether)	Stainless mesh	Carbon steel
Dewatering	Polyurethane	Stainless mesh	Rubber
Sticky/clay material	Rubber (flip-flop)	Polyurethane	Wire mesh
High precision cut	Wire mesh	Polyurethane	Rubber
Recycling (C&D waste)	Rubber	Polyurethane	Wire mesh
Low budget, short term	Wire mesh	-	-

Chapter 6: Selection Methodology

6.1 Decision Tree Approach

Step 1: Determine Aperture Requirement

- Aperture <3mm → Wire mesh or polyurethane only
- Aperture 3-10mm → Polyurethane preferred, wire mesh acceptable
- Aperture 10-40mm → All three options viable—proceed to step 2
- Aperture 40-75mm → Rubber or polyurethane preferred
- Aperture >75mm → Rubber preferred for impact, wire mesh for precision

Step 2: Assess Material Characteristics

- Highly abrasive (granite, basalt, quartzite) → Polyurethane or rubber
- Moderate abrasion (limestone, sandstone) → Any type based on other factors
- Wet material → Polyether polyurethane or stainless mesh

- Sticky/clay content → Rubber (flip-flop) or soft polyurethane
- Sharp/angular particles → Avoid rubber, use wire mesh or hard PU
- High temperature material → Wire mesh only

Step 3: Evaluate Operational Requirements

- Maximum capacity needed → Wire mesh (highest open area)
- Minimum noise required → Rubber (lowest noise)
- 24/7 operation, minimal downtime → Polyurethane (longest life)
- Frequent product changes → Modular panels (quick change)
- Precise cut point critical → Wire mesh or precision PU

Step 4: Calculate Total Cost

- Include media purchase, changeover labor, and production losses
- Use expected life data for your specific application
- Factor in indirect costs (noise PPE, cleaning downtime)

6.2 Material Property Assessment

Abrasiveness Classification:

ABRASION INDEX (AI)	CLASSIFICATION	TYPICAL MATERIALS	RECOMMENDED MEDIA
<0.1	Low	Limestone, marble, coal	Wire mesh economical
0.1-0.3	Moderate	Sandstone, some granites	Any type viable
0.3-0.5	High	Granite, basalt, quartzite	Polyurethane or rubber
>0.5	Extreme	Taconite, some ores	Polyurethane with ceramic

Moisture Content Impact:

MOISTURE LEVEL	WIRE MESH	POLYURETHANE	RUBBER
<3% (dry)	Excellent	Excellent	Excellent
3-6% (damp)	Good	Excellent	Good
6-10% (wet)	Blinding risk	Good	Moderate

MOISTURE LEVEL	WIRE MESH	POLYURETHANE	RUBBER
>10% (saturated)	Poor (use stainless)	Good (polyether)	Poor

Chapter 7: Installation and Maintenance

7.1 Wire Mesh Installation

Critical Installation Steps:

1. **Pre-Tensioning:** Mesh must be tensioned before final clamping
 - Draw mesh tight along length using tensioning equipment
 - Ensure even tension across full width
 - Target 2-3% elongation for optimal performance
2. **Clamping:**
 - Use appropriate clamp bars for mesh gauge
 - Tighten bolts in sequence (center outward)
 - Verify no loose areas or ripples
3. **Crowned Surface:**
 - Mesh should crown slightly (higher in center)
 - Crown prevents material tracking to edges

Common Wire Mesh Installation Errors:

ERROR	RESULT	PREVENTION
Insufficient tension	Rapid fatigue failure, poor screening	Use tensioning tools, verify elongation
Over-tension	Wire breakage, accelerated wear	Follow manufacturer specifications
Uneven tension	Localized wear, tracking problems	Sequential tightening pattern
Wrong mesh orientation	Rapid blinding, reduced capacity	Follow marking, warp wires along flow
Damaged mesh installed	Premature failure, contamination	Inspect before installation

7.2 Modular Panel Installation

Polyurethane/Rubber Panel Installation:

1. Surface Preparation:

- Clean frame rails of debris and old material
- Inspect rail condition—repair damage before installation
- Check bolt holes—clean and chase threads if needed

2. Panel Placement:

- Start at discharge end, work toward feed
- Ensure panels seat fully on support rails
- Check panel orientation (flow direction marking)

3. Fastening:

- Use correct bolt length—too long damages panel
- Tighten bolts to specified torque (typically 25-40 Nm)
- Do not over-tighten—compresses panel, reduces life

4. Gap Check:

- No gaps between panels (allows bypass)
- No panel overlap (causes wear, trapping)

Modular Panel Change Time Comparison:

SCREEN SIZE	WIRE MESH	BOLT-ON MODULAR	PIN-STYLE MODULAR
5' x 12' (single deck)	4-6 hours	2-3 hours	1-1.5 hours
6' x 20' (single deck)	6-10 hours	3-5 hours	1.5-2.5 hours
6' x 20' (triple deck)	20-30 hours	10-15 hours	5-8 hours
8' x 24' (double deck)	15-20 hours	8-12 hours	4-6 hours

7.3 Maintenance Practices

Daily Inspection Checklist:

1. Visual check for broken wires, torn panels, holes
2. Listen for unusual rattling (loose panels or mesh)

3. Check for material buildup causing blinding
4. Verify product gradation (indicates media condition)
5. Inspect discharge for oversize (media failure sign)

Weekly Inspection:

1. Measure aperture sizes at multiple points
2. Check tension on wire mesh (deflection test)
3. Inspect panel mounting bolts for looseness
4. Look for wear patterns indicating feed problems
5. Check support rails for wear

When to Replace Screen Media:

INDICATOR	WIRE MESH	POLYURETHANE	RUBBER
Aperture increase	>15%	>20%	>25%
Visible wear	Wire diameter <50%	Aperture walls thin	Holes visible
Broken sections	Any broken wires	Any torn apertures	Any holes through
Product contamination	Oversize in product	Oversize in product	Oversize in product
Blinding	Cannot clean	Cannot clean	Cannot clean

Chapter 8: Troubleshooting Guide

8.1 Common Problems and Solutions

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Rapid wire mesh wear	Wrong wire grade; excessive load; high abrasion material	Upgrade wire grade; reduce bed depth; consider PU/rubber
Wire mesh blinding	Near-size particles; moisture; wrong aperture shape	Use anti-blinding devices; slotted apertures; increase crown
PU panel tearing	Impact damage; wrong hardness; overtightened bolts	Add impact protection; use harder grade; check torque

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Rubber panel cutting	Sharp particles; wrong compound	Switch to harder compound or PU
Uneven wear pattern	Uneven feed distribution; screen slope wrong	Adjust feed chute; check screen level
Excessive noise	Loose panels; worn panels; metal contamination	Tighten fasteners; replace worn media; add metal detection
Product contamination	Media failure; gaps between panels	Replace media; check panel fit
Low efficiency	Blinding; wrong aperture; overloading	Address blinding; adjust aperture; reduce feed rate

8.2 Wear Pattern Analysis

WEAR PATTERN	INDICATES	ACTION
Even wear across screen	Normal operation	Continue monitoring
Heavy wear at feed end	Excessive drop height; poor feed distribution	Lower drop; install feed box
Heavy wear at discharge end	Overloading; material backing up	Reduce feed; check downstream
Heavy wear at center	Material tracking to center; crown inadequate	Improve feed distribution; increase crown
Heavy wear at sides	Material tracking to sides; over-crown	Reduce crown; check side seals
Localized holes	Impact damage; tramp metal	Install metal protection; reduce drop

Chapter 9: Cost Optimization Strategies

9.1 Media Life Extension Techniques

TECHNIQUE	APPLICABLE TO	LIFE EXTENSION	COST
Proper tensioning	Wire mesh	+30-50%	Training only
Correct aperture selection	All types	+20-40%	Analysis only
Feed distribution improvement	All types	+25-50%	Feed box installation
Drop height reduction	All types	+20-40%	Chute modifications
Panel rotation	Modular panels	+15-25%	Labor only
Anti-blinding devices	Wire mesh, PU	+20-30%	Ball tray installation
Metal detection/removal	All types	+30-60%	Metal detector system

9.2 Hybrid Approaches

Mixed Media Strategies:

STRATEGY	CONFIGURATION	BENEFIT
Impact zone protection	PU/rubber at feed end, wire mesh remainder	Cost savings with impact protection
Wear zone targeting	PU in high-wear center, wire mesh at sides	Extended life where needed most
Deck optimization	Wire mesh top deck, PU lower decks	Capacity on top, life where harder to change
Scalping protection	Rubber scalping, PU sizing	Impact resistance + precision

Chapter 10: Future Developments

10.1 Emerging Technologies

TECHNOLOGY	DESCRIPTION	BENEFIT	AVAILABILITY
Self-cleaning designs	Vibrating panels, active apertures	Eliminate blinding	Available now
Wear sensors	Embedded sensors in panels	Predictive replacement	Emerging
Ceramic-polymer composites	Ceramic particles in PU matrix	2-3x wear life	Available, premium cost
3D-printed apertures	Custom aperture shapes	Application-specific optimization	Prototype stage
Smart media	IoT-enabled monitoring	Real-time performance data	Emerging

Conclusion

Key Recommendations

- 1. Calculate Total Cost:** Never select screen media on purchase price alone—include changeover costs and production losses
- 2. Match Media to Application:** Use the selection methodology to identify optimal media type
- 3. Consider Hybrid Approaches:** Mix media types to optimize performance and cost
- 4. Maintain Properly:** Correct installation and regular inspection extend life significantly
- 5. Track Performance:** Document media life to optimize future selections

Quick Selection Summary

IF YOUR PRIORITY IS...	CHOOSE...
Maximum capacity	Wire mesh
Longest wear life	Polyurethane
Impact resistance	Rubber
Lowest noise	Rubber
Wet/washing application	Polyether polyurethane
Fine screening (<5mm)	Wire mesh or polyurethane
Sticky material	Rubber (flip-flop)
Lowest total cost (high hours)	Polyurethane or rubber
Lowest initial investment	Wire mesh

For application-specific screen media recommendations or wear analysis, contact Nesans technical support at service@nesansindia.in.

Topics:
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