

**PAL**

ROLL  
SCREENS



### / Dyn (Single & Double Stage Machine)

- suitable for wet screening from 2 to 5-6 fractions;
- perfect calibration of selected particles from very fine material to oversize;
- all gaps and discharge flaps freely adjustable to change fractions size and number;
- zig-zag channeling effect from interlocking rolls to improve the screening efficiency;
- totally free from plugging and/or blockages;
- integrable with suction for light pollution such as plastic, nylon, textile, ...



### / Quadradyn

- suitable for green/dry strands screening (from two to four fractions);
- big advantages in comparison with traditional systems like no breaking of strands, no generation of fines, lower resin consumption, lower fire risk in the dryer, lower cleaning maintenance of the blenders, bigger drier capacity with less emissions, ...
- small footprint for easy installation in existing plants.



### / Ecoscreen

- suitable for recycled chips two-fractions screening, especially for oversize removal (not for fines selection);
- anti-plugging system (patented) to avoid clogging in the rolls;
- integrable with suction for dust, fiber, plastic, nylon, ...



## ROLL SCREENS

### 06.02.A-B-C

### DYNASCREEN

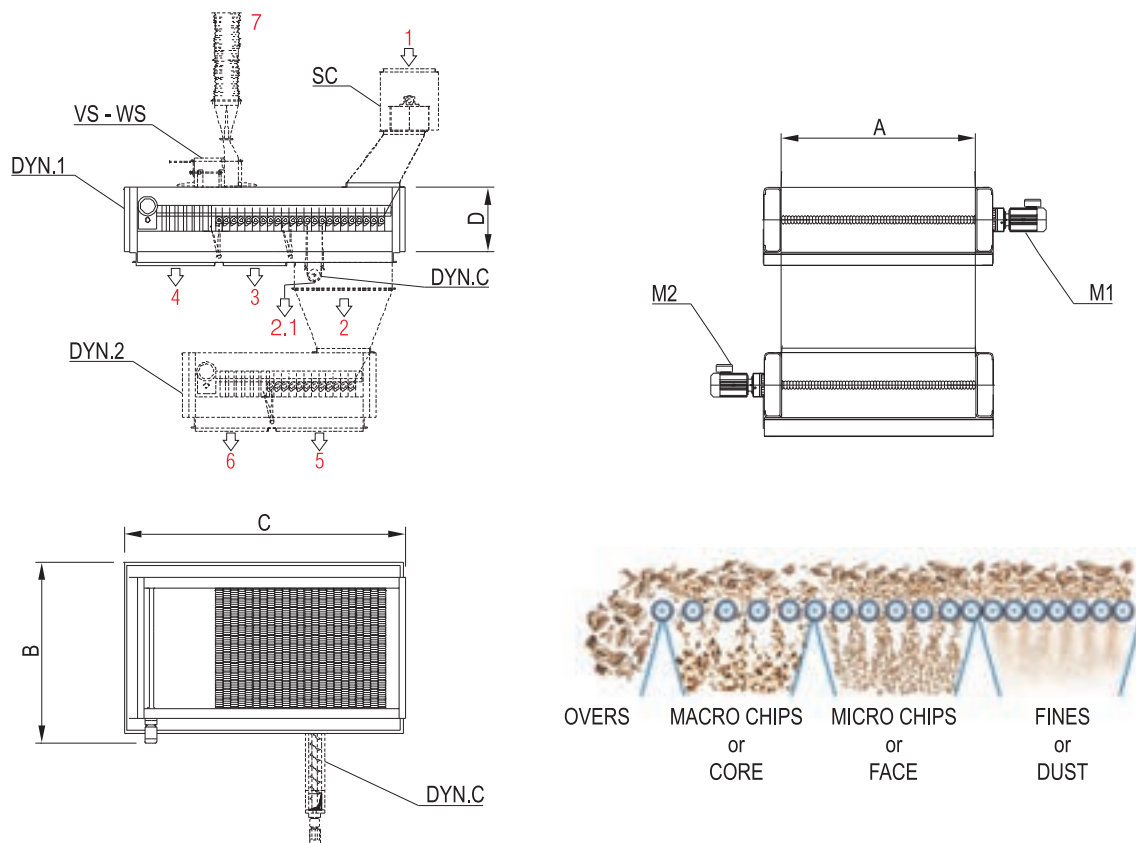
FOR WET & DRY CHIPS, SAWDUST, SHAVINGS AND PARTICLES PATENTED

#### TECHNICAL FEATURES

/ Feeding conveyor for distribution across / W-Rolls to remove very fine and dusty material / V-Rolls to remove flakes and micro chips / D-Rolls to remove oversize pieces / Chrome plating or nitriding of W & V profiles / Two side bearings and transmissions / Devices for setting gaps easily and freely / Single or double screening deck/s / Discharge flap for each fraction, to be freely positioned / Separation from 2 to 5-6 fractions / Integrated suction unit to remove dust, fiber, paper and plastic foils, etc. / VS system for intermediate suction / WS system for final suction / Devices for free setting of suction speed / Integrated system for removal of a minor fraction highly contaminated from heavy pollutants / Specialized shape of roll profile / Extracting screw conveyor for the polluted fraction / Patented.

#### BENEFITS

/ Zigzag channeling effect from interlocking W & V rolls: aligns the flow along the W & V gaps • improves particle vibration and screening efficiency / W & V roll profiles: ensures better calibration of particle thickness • ensures better calibration of particle length / VS & WS Dynasifter: easy application any time • excellent dedusting and removal of light pollutants such as fiber, paper and plastic foils, etc. / All gaps and discharge flaps freely adjustable: enables easy changing of fraction size • enables easy variation of number of fractions / Absolutely free from plugging and/or blockages / Very easy setting of screening parameters / High efficiency and reliability / Low maintenance.



SC = DOSING SCREW CONVEYOR  
 DYN.1 = 1-DECK DYNASCREEN  
 DYN.2 = 2-DECKS DYNASCREEN

VS/WS = DYNASIFTER (OPTION)  
 DYN.C = DYNACLEANER (OPTION)  
 M1-M2 = ROLLS ROTATION

1 = FEEDING  
 2..6 = ACCEPTED FRACTIONS  
 2.1 = FRACTION WITH HEAVY POLLUTANTS  
 7 = PAPER & PLASTIC FOLDS

Not binding data. We reserve the right of modification at any time without prior notice.

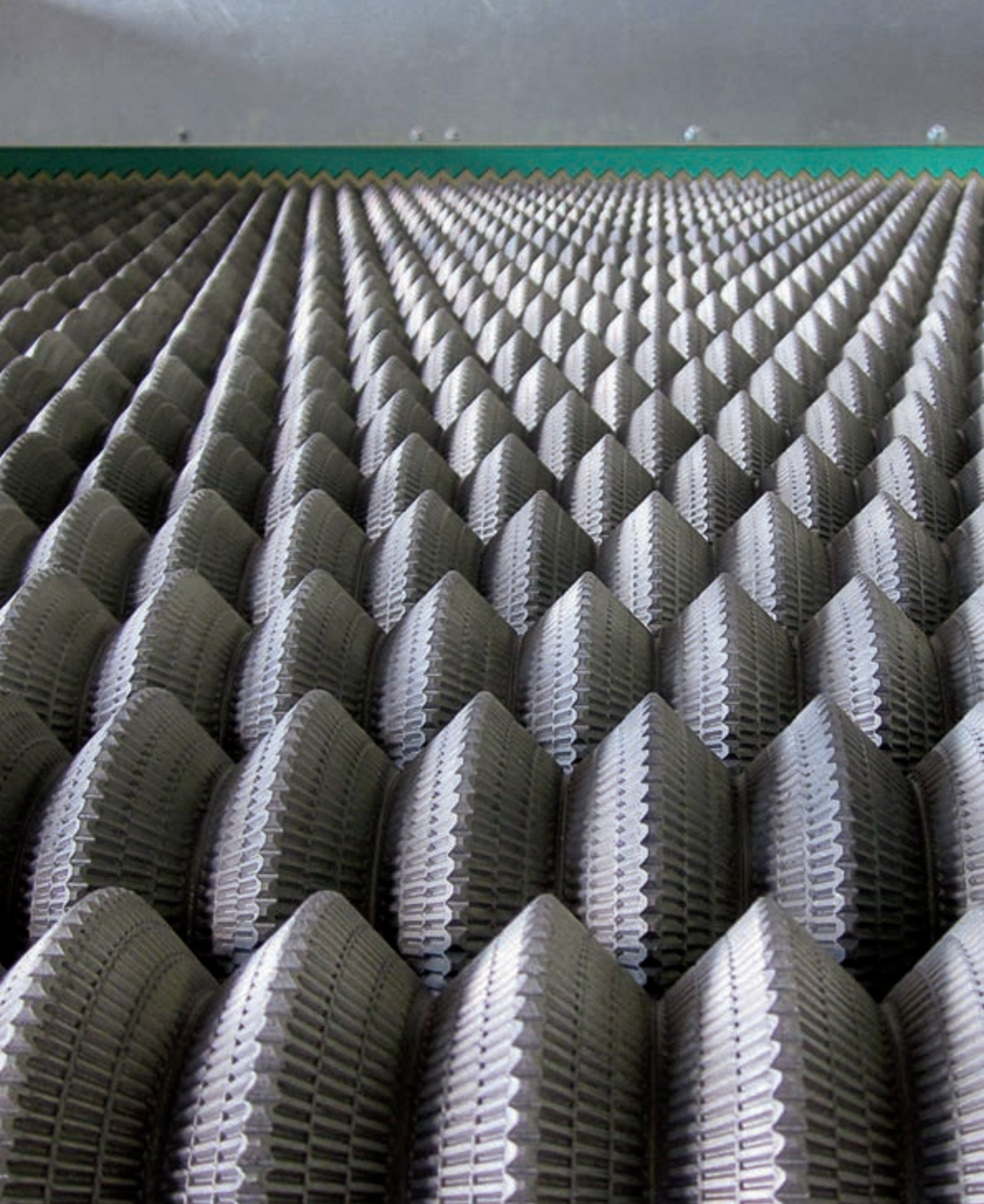


## 06.02.A-B-C

## DYNASCREEN

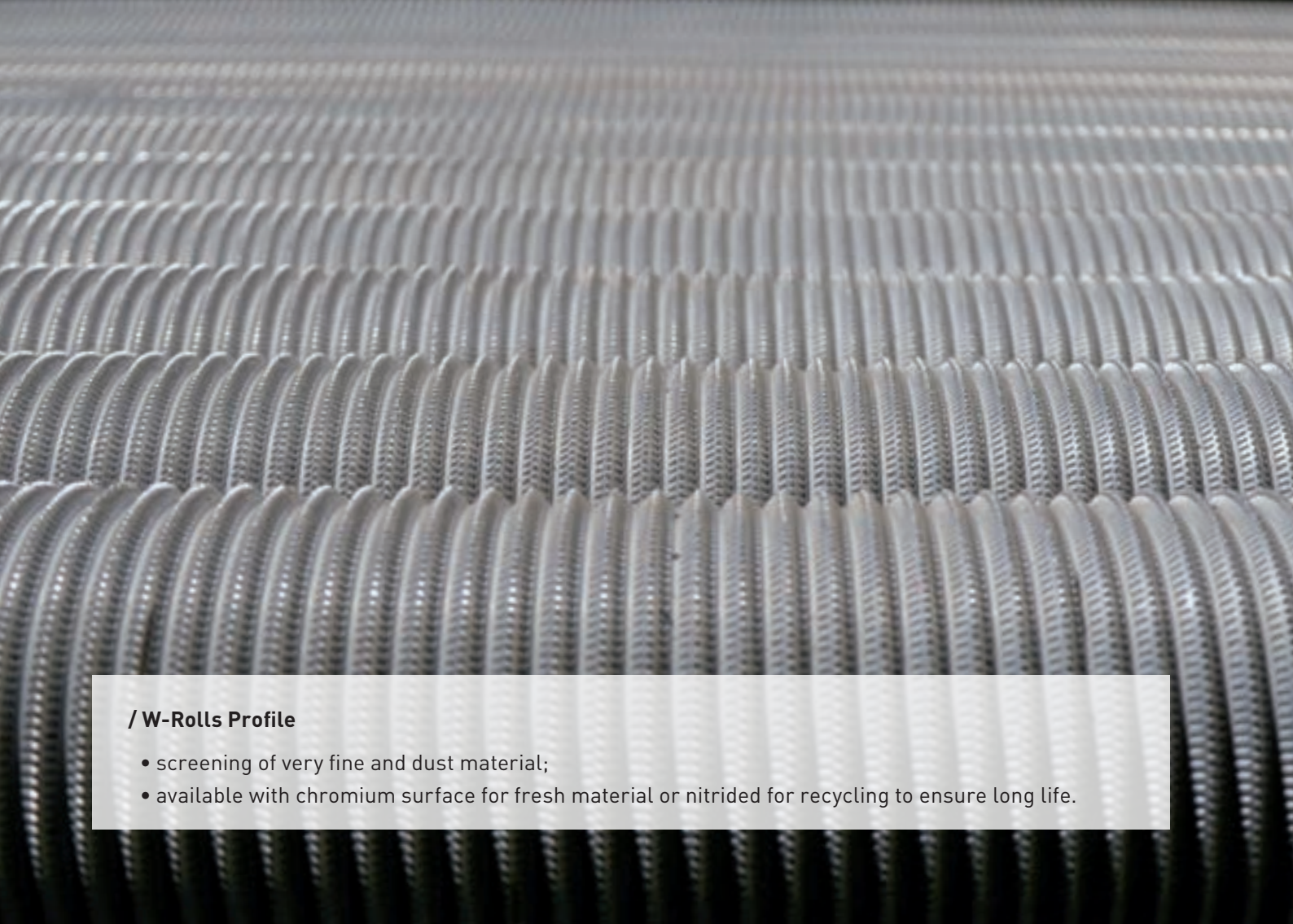
FOR WET & DRY CHIPS, SAWDUST, SHAVING AND PARTICLES PATENTED

MODEL	OVERALL DIMENSIONS mm				CAPACITY m <sup>3</sup> /h	INSTALLED POWER kW		WEIGHT KG
	A	B	C	D		M1		
<b>DYN.-2000-1000</b>	1000	2000	2000	1050	According to type of material and number of rolls	3,0	According to number of rolls	
<b>DYN.-2500-1000</b>	1000	2000	2500	1050		4,0		
<b>DYN.-3200-1000</b>	1000	2000	3200	1050		4,0		
<b>DYN.-4000-1000</b>	1000	2000	4000	1050		5,5		
<b>DYN.-4500-1000</b>	1000	2000	4500	1050		5,5		
<b>DYN.-5000-1000</b>	1000	2000	5000	1050		7,5		
<b>DYN.-5500-1000</b>	1000	2000	5500	1050		7,5		
<b>DYN.-2000-2200</b>	2200	3200	2000	1050		3,0		
<b>DYN.-2500-2200</b>	2200	3200	2500	1050		4,0		
<b>DYN.-3200-2200</b>	2200	3200	3200	1050		4,0		
<b>DYN.-4000-2200</b>	2200	3200	4000	1050		5,5		
<b>DYN.-4500-2200</b>	2200	3200	4500	1050		5,5		
<b>DYN.-5000-2200</b>	2200	3200	5000	1050		7,5		
<b>DYN.-5500-2200</b>	2200	3200	5500	1050		7,5		
<b>DYN.-6000-2200</b>	2200	3200	6000	1050		7,5		
<b>DYN.-7000-2200</b>	2200	3200	7000	1050		7,5		
<b>DYN.-8000-2200</b>	2200	3200	8000	1050		7,5		
<b>DYN.-9000-2200</b>	2200	3200	9000	1050		7,5		



### **/V-Rolls Profile**

- screening of chips and flakes;
- available with chromium surface for fresh material or nitrided for recycling to ensure long life.



### **/ W-Rolls Profile**

- screening of very fine and dust material;
- available with chromium surface for fresh material or nitrided for recycling to ensure long life.



### **/ D-Rolls Profile**

- screening of bigger particles and oversize from regular chips.



## ROLL SCREENS

### 06.02.D

### QUADRADYN

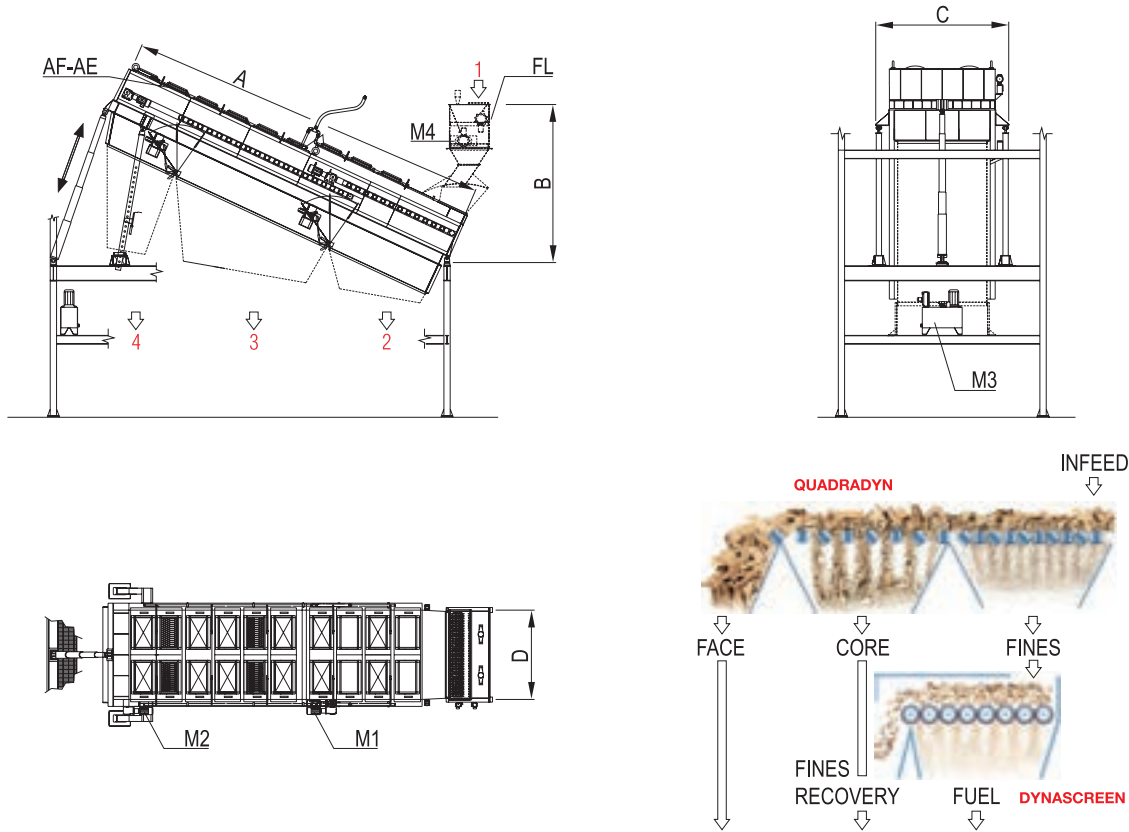
FOR WET & DRY STRANDS PATENTED

#### TECHNICAL FEATURES

/ Rotating turret in the silo center, interconnected to a fix structure by a powerful bearing / Fluidizing rolls for better crosswise spreading of flakes at the screen infeed / Roll screen with specialized roll profiles for requested cuts / Separation till 4 fractions / Suitable for green and dry strand screening / AF - Fire extinguishing system / AE - Explosion vents / Two side bearings and transmissions / Highly flexible machine with quick and easy adjustments to match changes in the raw material: adjustable diverting gates • adjustable shaft speed • adjustable working angle • adjustable gap setting • pre-settable disk spacing / No strand breakage or generation of fines in the screening process.

#### BENEFITS

/ No strand breakage or generation of fines in the screening process / Very efficient screening out of fines resulting in: increase in dryer capacity (green screening) • more uniform moisture content to the dryer (green screening) • reduction in dryer emissions (green screening) • reduction in drying costs (green screening) • lower fire risk in dryer (green screening) • reduced blender cleaning requirements • lower resin usage and higher board properties / Very efficient classification of strand size / Dedicated dryers for core and surface material (green screening) / Smaller footprint than drum screen for easy replacement in existing plants / Low maintenance, no plugging.

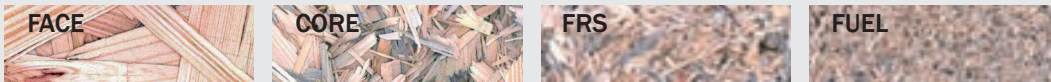


1 = INFEED  
 2...4 = FRACTIONS  
 FL = FLUIDIZER (OPTION)

M1-M2 = MAIN MOTOR  
 M3 = HYDRAULIC POWER UNIT  
 M4 = FLUIDIZER DRIVE

FOR DRY MATERIAL ONLY:  
 AF = FIRE-EXTINGUISHING SYSTEM  
 AE = EXPLOSION VENTS

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## 06.02.D

## QUADRADYN

FOR WET & DRY STRANDS PATENTED

MODEL	OVERALL DIMENSIONS mm				CAPACITY m <sup>3</sup> /h	INSTALLED POWER kW				WEIGHT KG
	A	B	C	D		M1	M2	M3	M4*	
Q-DYN.1-5000-2200	5000	2530	3520	2200	To size according to type of material and number of fractions to classify	According to number of shafts	According to number of shafts	5,5	-	According to number of shafts
Q-DYN.1-6000-2200	6000	2530	3520	2200				5,5	-	
Q-DYN.1-7000-2200	7000	2530	3520	2200				5,5	-	
Q-DYN.1-8000-2200	8000	2530	3520	2200				5,5	-	
Q-DYN.1-9000-2200	9000	2530	3520	2200				5,5	-	
Q-DYN.1-7000-2700	7000	4780	4020	2700				5,5	2 x 5,5	
Q-DYN.1-8000-2700	8000	4780	4020	2700				5,5	2 x 5,5	
Q-DYN.1-9000-2700	9000	4780	4020	2700				5,5	2 x 5,5	
Q-DYN.1-10000-2700	10000	4780	4020	2700				5,5	2 x 5,5	
Q-DYN.1-11000-2700	11000	4780	4020	2700				5,5	2 x 5,5	
Q-DYN.1-12000-2700	12000	4780	4020	2700				5,5	2 x 5,5	

\*Option





/ Quadradyn Installation



/ Quadradyn Installation



## ROLL SCREENS

### 06.02.I

### ECOSCREEN

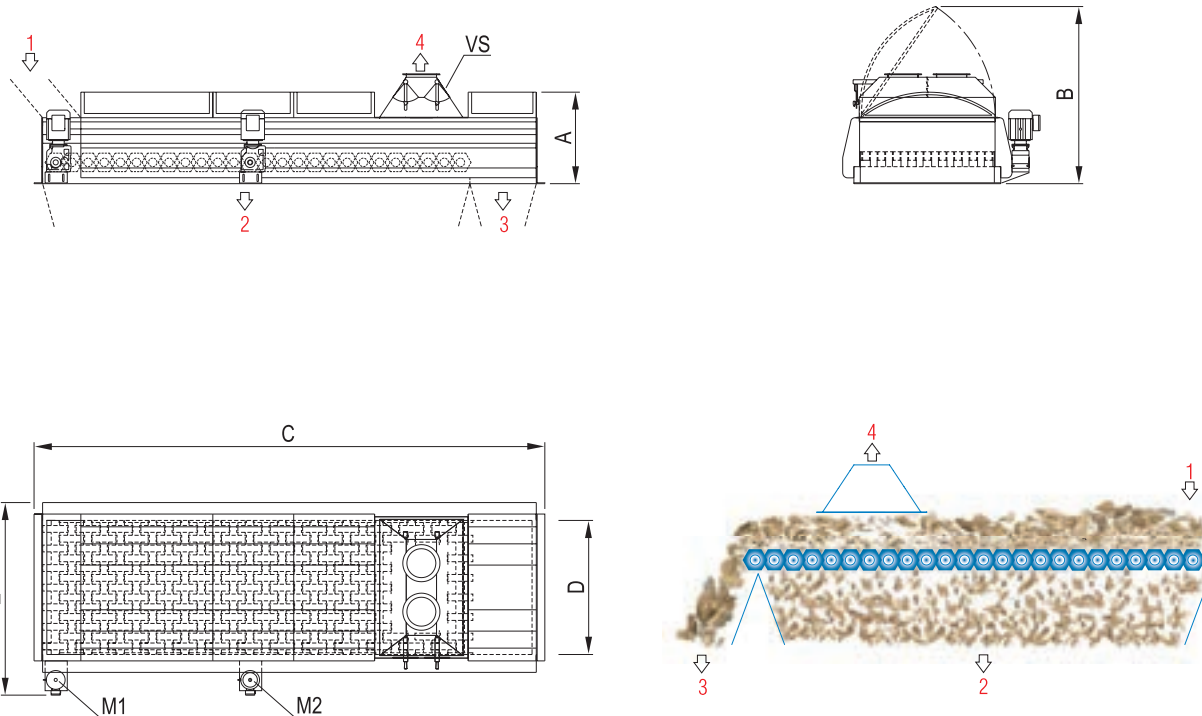
FOR WET & DRY RECYCLED CHIPS

#### TECHNICAL FEATURES

/ Roll screen with patented anti-clogging (anti-winding) system, for screening of recycled chips polluted by rags and other pollutants that wind on conventional roll screen shafts / Centralised lubrication of shaft bearings / Plexiglas cover connected to a safety sensor for safety and dust tightening / Chain greasing system (Option) / Integrated suction unit to remove dust, fibers, paper, plastic foils, etc. (Option) / Free setting of suction speed (Option).

#### BENEFITS

/ High calibration efficiency of recycled chips / Minimal maintenance thanks to the patented anti-clogging system / Easy-fast installation thanks to the small overall dimensions / Low energy consumption.



1 = FEEDING  
2 = ACCEPTS

3 = OVERS  
4 = PAPER & PLASTIC FOILS

VS = DYNASIFTER (OPTION)

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## 06.02.I

## ECOSCREEN

FOR WET & DRY RECYCLED CHIPS

MODEL	OVERALL DIMENSIONS mm					E-ROLLS pcs	CAPACITY* m <sup>3</sup> /h	INSTALLED POWER kW		WEIGHT APPROX. KG
	A	B	C	D	E			M1	M2	
<b>ECO.2760(10E)-1575</b>	1075	2450	2760	1575	2265	10	150	5,5	-	2200
<b>ECO.3900(16E)-1575</b>	1075	2450	3900	1575	2265	16	300	7,5	-	2500
<b>ECO.4660(20E)-1575</b>	1075	2450	4660	1575	2265	20	400	7,5	-	3000
<b>ECO.5800(26E)-1575</b>	1075	2450	5800	1575	2265	26	550	7,5	7,5	3500
<b>ECO.6700(30E)-1575</b>	1075	2450	6700	1575	2265	30	650	7,5	7,5	4500

\*Recycled chips



/ Roll Screen Installation



/ Roll Screen Installation