

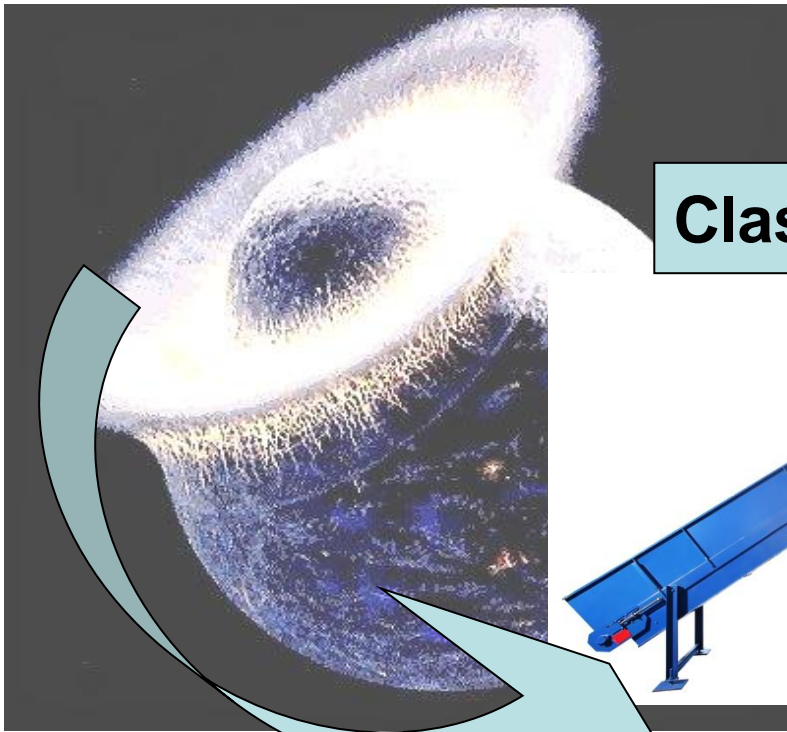
Dieffenbacher ClassiSizer

05 | 2011



DIEFFENBACHER

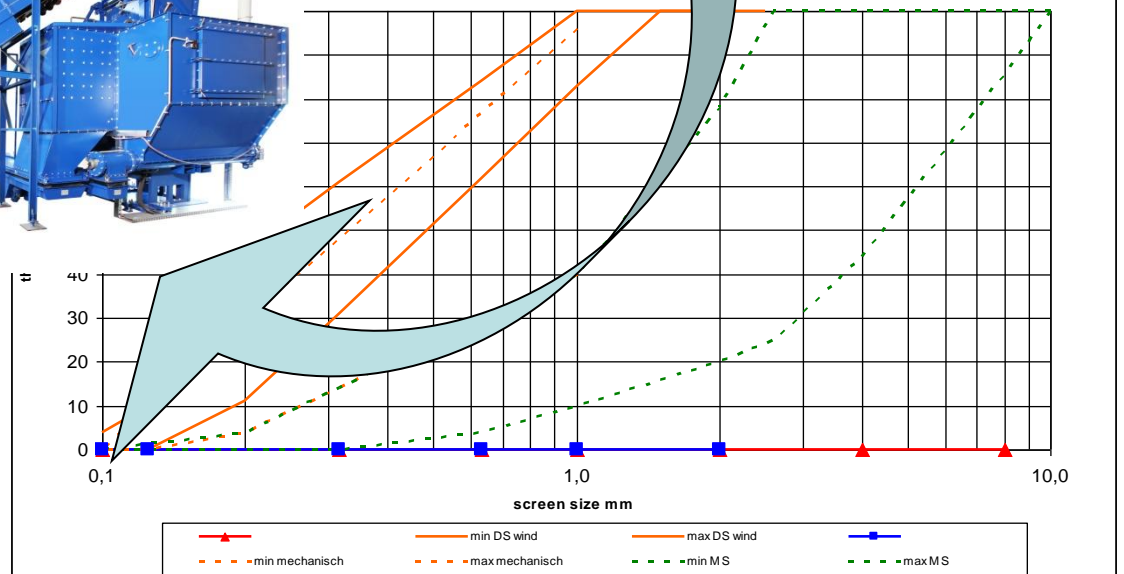
A new technology



ClassiSizer

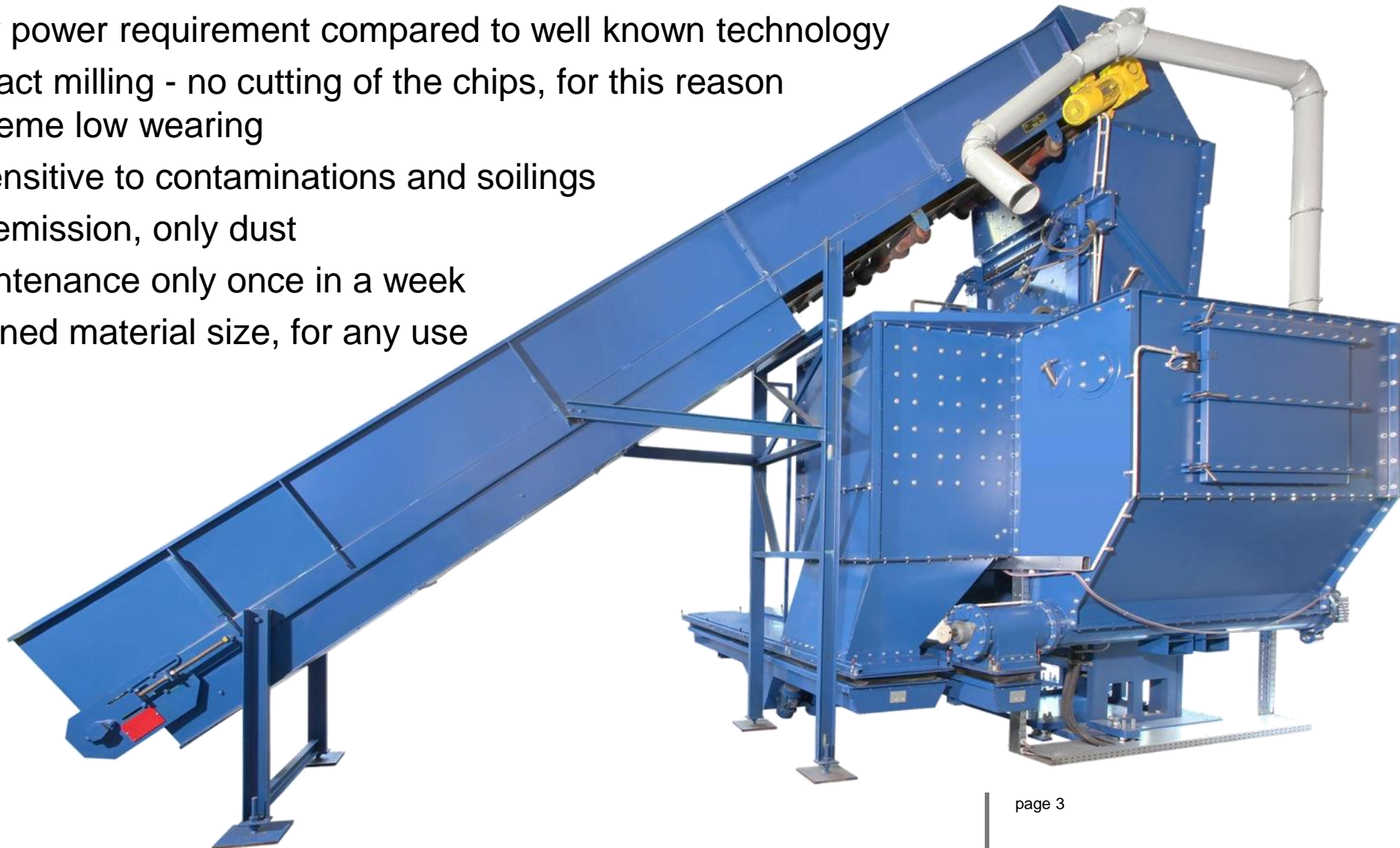


Screen analysis



Reasons for the ClassiSizer

- Low power requirement compared to well known technology
- Impact milling - no cutting of the chips, for this reason extreme low wearing
- Insensitive to contaminations and soilings
- No emission, only dust
- Maintenance only once in a week
- Defined material size, for any use



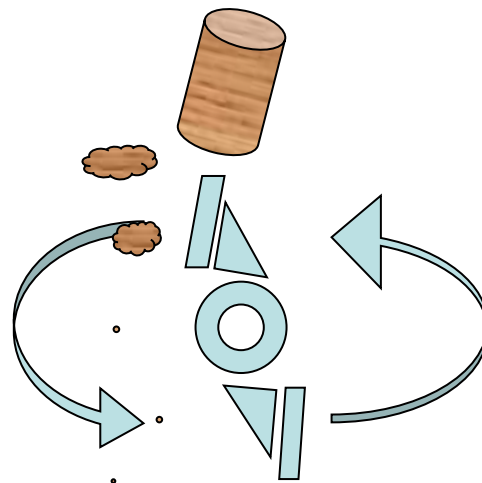
The Process

**Material infeed -
depending on intended use**



STEP 1

**Impact space -
milling process**



**Rotor with
impact
elements**

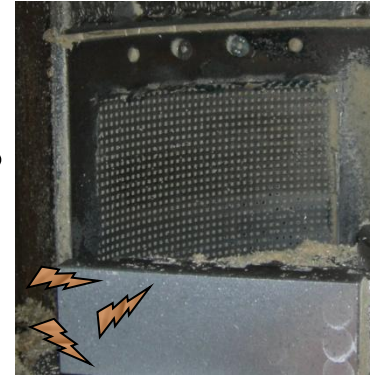
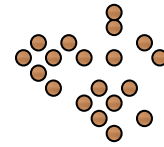


STEP 2



The Process

**Material conditioning –
Screen**



STEP 3

**Interaction between screen
and impact element**

**Material outfeed via
screw conveyor**



STEP 4

The Process

**Material outfeed –
impurity, oversized**

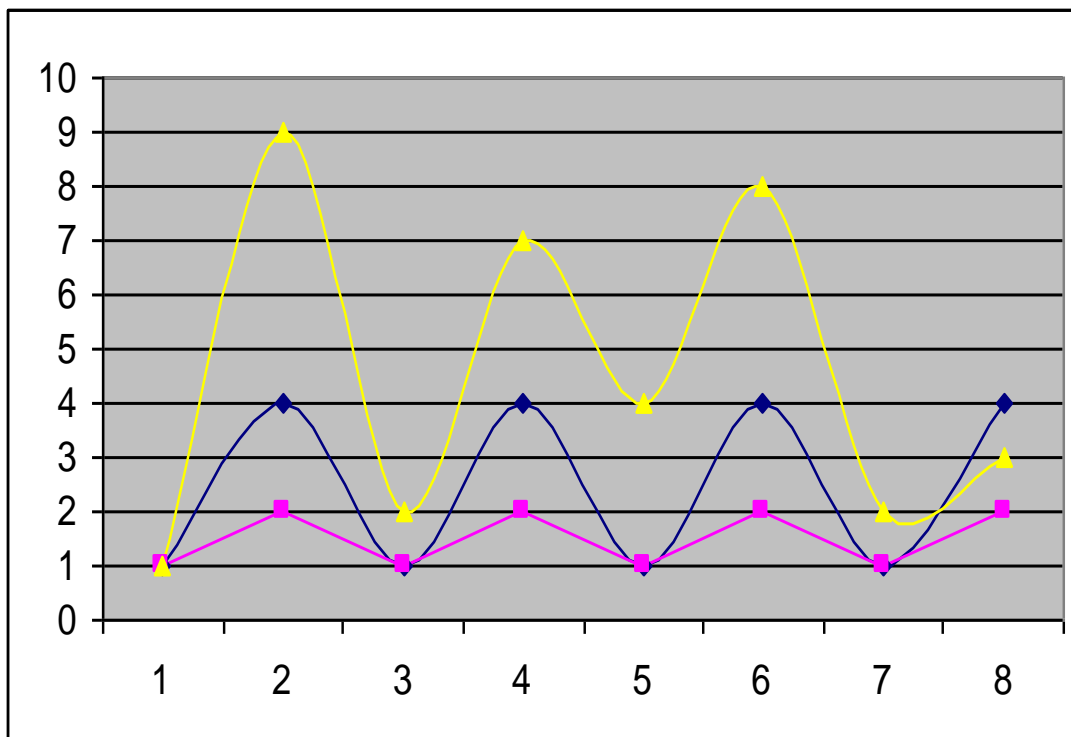


STEP 5

Impurities

Regular material

**Natural
frequency**



Basic technical data and specification

Installation size	Diameter of impact space in mm	Height of impact space in mm	Installed power in kW	Throughput in t/h Input: wood chips wet, Output: Screen 15x15	Necessary height of cylinder above impact space in mm	Space requirement in m ² (netto)
Pilot plant stations	600	600	18,5	ca. 1,2	800	3
Eppingen	800	600	37	ca. 2,4	800	4
Pellet plant	1200	600	55	ca. 3,5	1000	5
Recycling	1600	600	160	ca. 10,5	1000	9
Energy dust	2000	600	250	ca. 16	1400	20
Pellet plant	2000	800	315	ca. 20	1400	20
Recycling	2400	1000	450	ca. 30	1600	25

The Results



Recycling wood
screen size 3,0 x 3,0 mm Q



Frozen log pieces
screen size 3,0 x 3,0 mm Q



Lop separation – bark and wood
Screen size 15 x 15 mm Q