



# PARASON DEFLAKERS



HOLE TYPE



CONICAL TYPE



RING TYPE

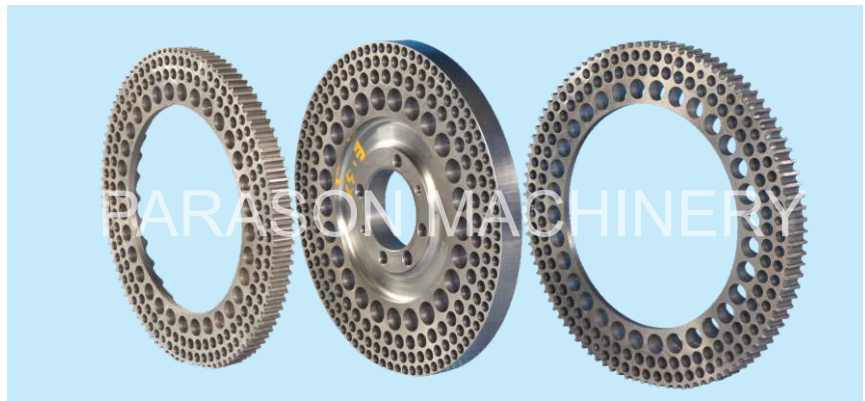
## Parason Tri Disc Deflakers



### Parason Tri Disc Deflakers

is a high speed deflaker, need primarily for deflaking a market pulp and various kinds of brokes to obtain high quality product and better strength characteristics. With **Parason Tri-Disc Deflaker** fibre bundles and flakes are completely deflaked into individual fibres by hydrodynamic shock waves created with high quality deflaker discs, which rotate at a high speed of 1500 to 3000 RPM.

The freeness of the stock is slightly increased, but deflaking contributes to the uniformity of sheets and substantially improves its strength & formation.



### Technical Specification Of Parason Tri Disc Deflaker

NO	Type	Spec	TDD-300	TDD-450	TDD-600
1	Disc Size	ø mm	300 mm ø	450 mm ø	575 mmø
2	Power Installed	KW	37-75	75-100	150-270
3	Speed	RPM	1500-3000	1500	1500
4	Through - Put	TPP	10-40	30-70	50-120
5	Stock Inlet Pressure	Kg/cm <sup>2</sup>	1.0 - 1.5	1.0 - 1.5	1.0 - 1.5
6	Operating Consistency	%	2.5 - 4	2.5 - 4	2.5 - 4
7	Differential Pressure	Kg/cm <sup>2</sup>	0.2 - 0.5	0.2 - 0.5	0.2 - 0.5
8	Weight (Approximate)	Kgs	400	600	1,600

# Parason Conical Deflaker 3 Steps



## Description

The construction of Rotor and stator is conical. Therefore we get more area for Deflaking in this type of Deflaker as compared to other deflekers.

### The other advantages are.

- More output due to more area of deflaking
- Power consumption is less as compared to other type of Deflekers
- No load power is also less as compared to other type of Deflaker.
- Get better quality of pulp
- For breaking flakes in pulp

### Innovative features.

- This equipment is more power efficient due to smaller diameter of the Rotor as compared to the other equipment of similar function.
- The deflaking action takes place in 3 steps gradually.
- There is less damage to fibre (i.e. less shortening & more fibrillation)
- The 3 step design ensure more retention time to fibre while deflaking ( as compared to teeth or hole type)
- There is consistent deflaking due to online gap adjustment with respect to current drawn.
- The life of the fillings is longer.



## Technical Specification Of Parason Conical Deflaker 3 Steps

No	Type	CD-25	CD-35	CD-45
1	Power Installed	37-75	75-100	150-270
2	Speed	1500	1500	1500
3	Through - Put	10-40	30-70	50-120
4	Stock Inlet Pressure	1.0 - 1.5	1.0 - 1.5	1.0 - 1.5
5	Operating Consistency	2.5 - 4	2.5 - 4	2.5 - 4
6	Differential Pressure	0.2 - 0.5	0.2 - 0.5	0.2 - 0.5
7	Weight (Approximate)	400	600	1,600

# Parason Ring Type Deflaker



## Operating Principle

The pulp stock introduced centrally into the deflaker, pass through the gap between the rotor and stator and teeth of each ring towards the outlet. Unique tri disc- system, the rotating disc at high speed creates strong turbulence and hydro-dynamic stock waves and the fiber bundles and flakes while passing through the gap between teeth of rotor and stator of release the bonds between individual fiber under the impact of high frequency waves and frictions.

Depending on the furnish and required differing efficiency the outer most rings size is selected and the gap between rotor and stator is adjusted by shims.



## Innovative features.

- The filling design is very Precision with simplicity in manufacturing.
- The fillings are manufactured with all over machined surface which gives better deflaking effect on the fibre.
- The gap between stator and rotor disc is constant hence no clashing of stator to rotor disc in spite of fluctuations in flow or pressure of pulp.

\* Above products are patented design registry, copyright trademark.

\* Due to constant research and development specifications are subject to change.

## Technical Specification Of Parason Ring Type Deflaker

No	Type	TDD-300R	TDD-450R	TDD-600R
1	Maximum Ring OD	300 mm ø	450 mm ø	575 mmø
2	Power Installed	37-75	75-100	150-270
3	Speed	1500-3000	1500	1500
4	Through - Put	10-40	30-70	50-120
5	Stock Inlet Pressure	1.0 - 1.5	1.0 - 1.5	1.0 - 1.5
6	Operating Consistency	2.5 - 4	2.5 - 4	2.5 - 4
7	Differential Pressure	0.2 - 0.5	0.2 - 0.5	0.2 - 0.5
8	Weight (Approximate)	400	600	1,600



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