



**NEW**

# ATP-PRO CLASSIFYING WHEEL

*The long-time favourite in the ultrafine range.*



**HOSOKAWA ALPINE**

Process technologies for tomorrow.

# WEAR PROTECTION MEETS FINENESS: THE ATP-PRO CLASSIFYING WHEEL

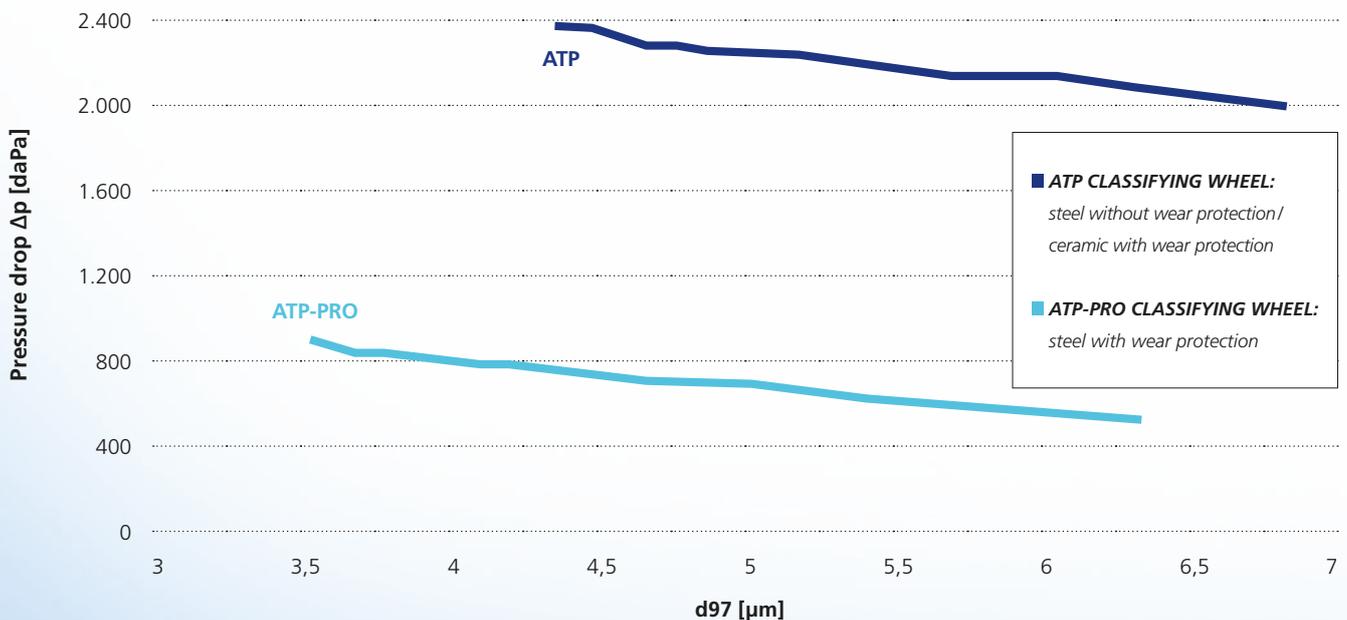
*Classifying wheel with exchangeable vanes as a cost-saving alternative to monobloc ceramic vanes.*

*The new ATP-PRO classifying wheel considerably improves both the product quality and the process efficiency. Equipped with exchangeable vanes, the patented ATP-PRO classifying wheel can be retrofitted with ease into any existing system and moreover offers an absence of contamination that was formerly only possible with ceramic classifying wheels.*

The ATP-PRO classifying wheel unites the advantages of our patented NG technology with the long service life of conventional ceramic classifying wheels. Take the example of grinding rare-earth oxides – at a Mohs' hardness of 5–6, not only can the particle size be reduced by approx. 15 % ( $d_{90} = 1,0\mu\text{m}$ ), but also the total contamination with Fe compounds from an earlier 50–100ppm to a mere 5–6 ppm. With this kind of processing, the high fineness

demands call for the employment of a steel classifying wheel. Over and above this, the ATP-PRO classifying wheel is in many cases a good alternative to ceramic classifying wheels, because with a comparable end product, a speed reduction of over 50 % can be achieved. And without any other additional measures, significantly finer products can be achieved – under similar conditions – with the ATP-PRO classifying wheel.

## FINER END PRODUCTS BUT LESS ENERGY





#### **ATP-PRO ADVANTAGES:**

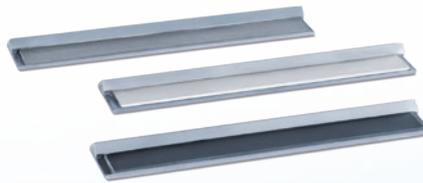
- › Much finer end products
- › Improved wear protection due to material diversity
- › Speed reduction
- › Exchangeable vanes of different materials
- › Reduction of iron contamination
- › Low pressure drop
- › Increase of operating reliability
- › Reduced maintenance effort
- › Lower specific energy consumption
- › Uncomplicated retrofitting

## **PRO – BECAUSE THERE IS NO CONTRA**

*Wear-protected vanes in NG design open up undreamt-of possibilities.*

The wear-protected ATP-PRO classifying wheel is the first classifying wheel that unites the benefits of conventional ceramic classifying wheels with those made of steel. This unique combination is expressed in the abbreviation "PRO", which in this instance stands for protected.

The uncomplicated exchange of the individual vanes reduces the requisite effort for maintenance, transport and storage and besides this, makes it possible to employ different materials for the vanes, which in turn extends the range of application.



› Different combinations of vane materials provide a high degree of flexibility.



› The exchangeable vanes reduce wear-induced life cycle costs and make higher fineness values possible thanks to their geometry.



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0162-EN-2017-02