

Why make it difficult,  
when it can be so easy?



Improved process sequence.  
Use just one machine instead of two.



**HOSOKAWA**

**ALPINE Aktiengesellschaft & Co. OHG**



# New Tandem Toner Classifier TTSP

## Why make it difficult, when it can be so easy?

ALPINE's toner classifier TSP has been available in five different machine sizes since the beginning of 1998. Now, just one year later, 15 of them are operating to the full satisfaction of renowned toner customers at different installations around the world. The great success of our TSP gave us the incentive to improve the design in the form of our new tandem TTSP. This tandem classifier surpassed all development objectives by far and fully meets the high quality requirements of our customers. Swayed by the excellent test results, one of our customers even decided on the spur of the moment to order a 200 TTSP for his own testing centre.

Two-stage classification with the new TTSP classifier provides enormous advantages:

- Classifier design for color toner with low melting point, because of the low energy concentration.
- High coarse material yield to over 90 %.
- Extremely high precision of cut to  $\kappa$  0,9.
- Low pressure drop.
- Easy dismantling allows quick and perfect cleaning.

We would be more than happy to personally convince you of the efficiency of our new TTSP tandem classifier by running tests on your feed material in our testing centre. Interested? Simply contact us for more details.



## HOSOKAWA MICRON POWDER SYSTEMS

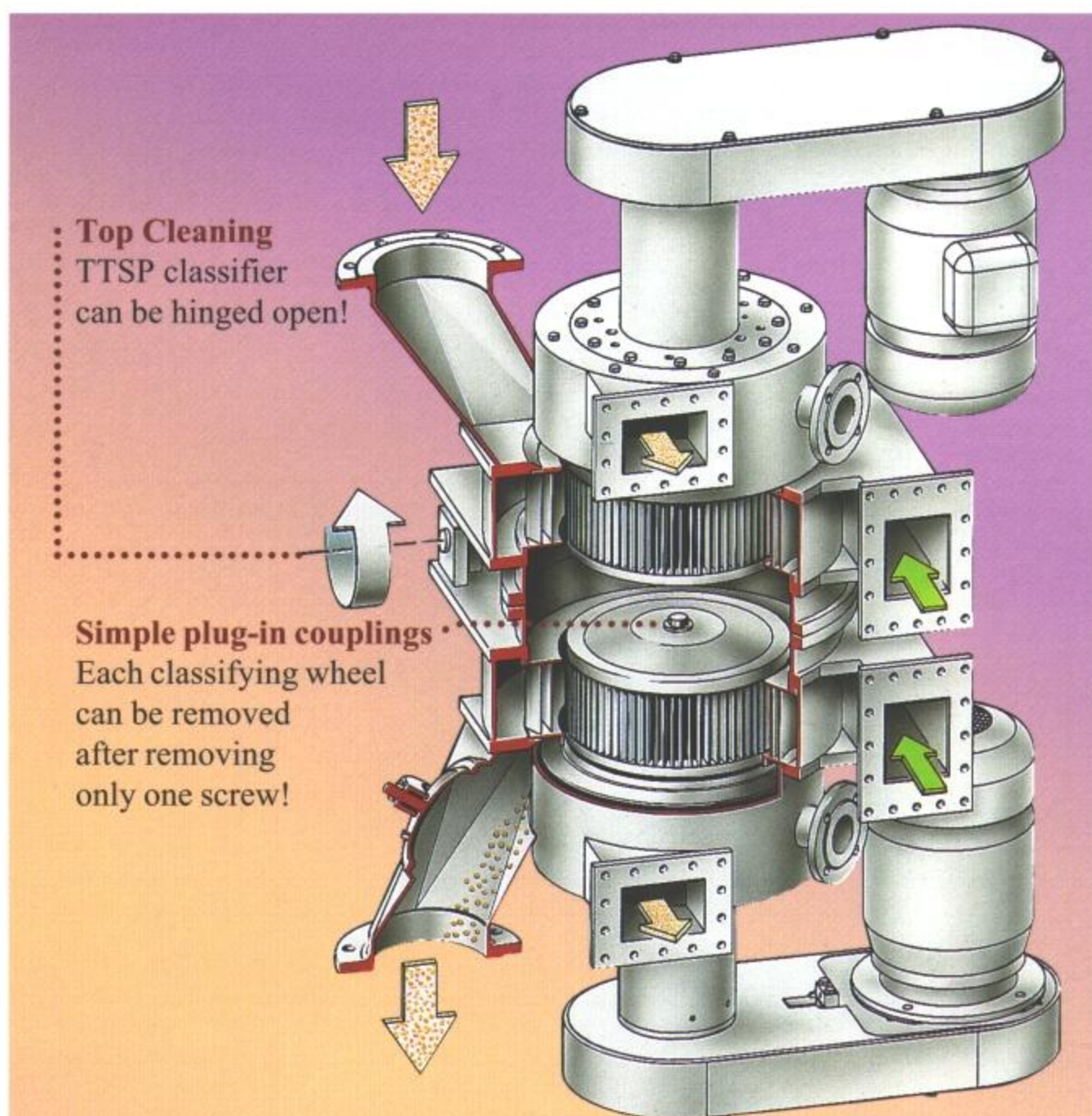
10 Chatham Road  
Summit, NJ 07901

Tel. (908) 273-6360

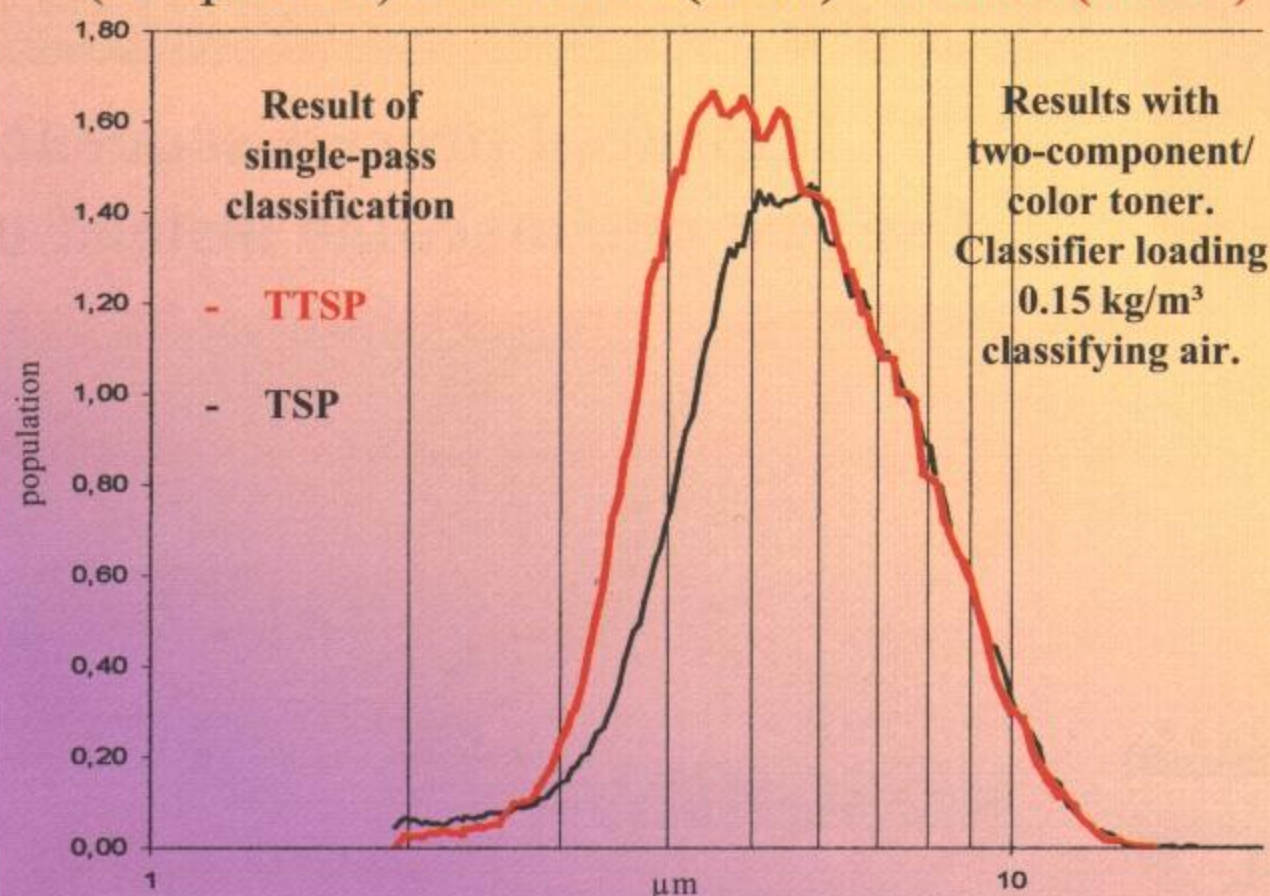
Fax (908) 273-7432

Combining the resources of

ALPINE • MIKRO • MAJAC • MICRON  
STOTT • VITALAIR • VRIECO-NAUTA



## TTSP classifier increases coarse material yield (end product) from 81 % (TSP) to 86 % (TTSP)



This excellent result was achieved in spite of highly problematic product properties and ultrafine classification. Operating time 7 hours; no deposits in classifier.

TTSP	200	250	315	400	500
Scale-up factor F	0.4	0.6	1	1.6	2.5
Air flow rate m <sup>3</sup> /h	1120	1800	2800	4600	7200
Feed rate kg/h	170	270	420	690	1080
Speed rpm	6000	5000	4000	3000	2500
Drive power 2 x kW	3	5	7.5	11	18.5

All details are purely informative and non-binding. Authoritative for actual orders are our quotations.