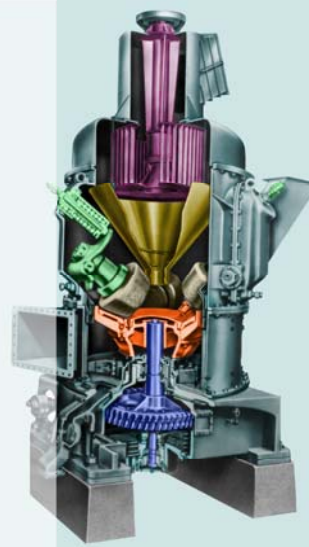# Raymond® Turbine Classifier for RS/RP Bowl Mills
Upgrade for improved particle size control & higher fineness for pulverized coals and coke

- **Achieve more accurate particle size control**
- **Ability to produce a finer product**
- **Attain more accurate classification**
- **Meets NFPA 85F requirements**

The Raymond® Bowl Mill is the worldwide industry standard for simultaneously pulverizing, classifying and drying coal and petroleum coke used to fuel cement, lime and power plants, as well as other industrial process applications. Pulverized fuel fineness requirements may range from 70% to 95%, or more, passing 200 mesh (74 microns).

By replacing the standard double cone classifier of the bowl mill with a dynamic turbine classifier, significant advantages that enhance the overall system performance, particulary in meeting the higher fineness specifications of 85% and above passing 200 mesh (<15R 75 microns).
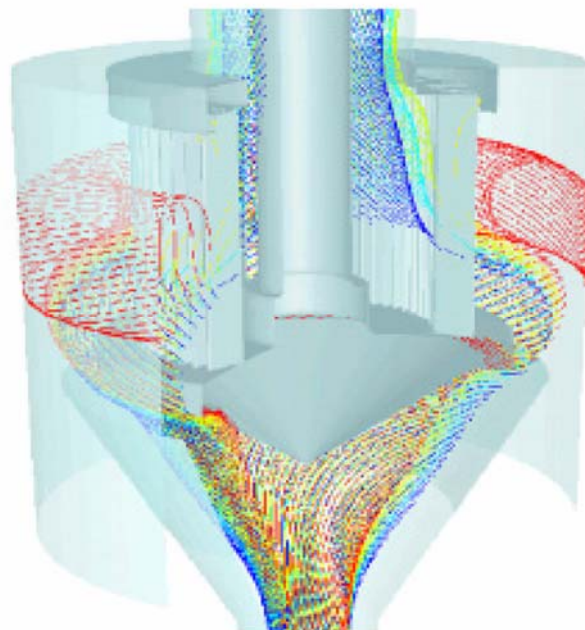
The turbine's rotating components have been designed using the lastest mechanical technology, the goal being years of trouble free operations in the difficult environment in which the bowl mill and turbine classifier will be required to operate. Exisiting bowl mills, either RB (deep bowl) or RS/RP (shallow bowl) design can be retrofitted with turbine classifiers while adhering strictly to NFPA 85F requirements.

Advantages
- Achieve more accurate, precise and lower top particle size control
- Ability to produce a finer pulverized coal product, improving the minus 200 mesh by as much as 10%-15%
- Attains more accurate classification, resulting in a steeper particle size distribution
- Finer pulverized coal burns with a shorter, more intense flame
- Better flame control results in improved combustion that enhances overall process control and plant efficiency
- Combustion efficiency that gives the ability to meet environmental regulations
- Meets NFPA 85F requirements

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Raymond® Turbine Classifer Specifications

RS/RP Mill Model	Table Diameter		Nominal Airflow		Classifier Power	
RS/RP 563	56 in.	1425 mm	12000 ACFM	20000 m³h	10 hp	7.5 kW
RS/RP 623	62 in.	1575 mm	17000 ACFM	29000 m³h	15 hp	11 kW
RS/RP 663	66 in.	1675 mm	20000 ACFM	34000 m³h	15 hp	11 kW
RS/RP 703	70 in.	1775 mm	23000 ACFM	39000 m³h	25 hp	20 kW
RS/RP 743	74 in.	1875 mm	27000 ACFM	46000 m³h	25 hp	20 kW
RS/RP 803	80 in.	2030 mm	35000 ACFM	60000 m³h	30 hp	25 kW
RS/RP 863	86 in.	2185 mm	42000 ACFM	71000 m³h	40 hp	30 kW

Schenck Process LLC
2151 Fisher Drive
Naperville, IL 60563 USA
T +1 (630) 393-1000
F +1 (630) 393-1001
RBS@schenckprocess.com
www.schenckprocess.com/rbs

www.schenckprocess.com/contact

BV-D6023
US