

SCHMITT LAUNCH LOW PROFILE 'PANCAKE' BALANCE HEAD

Schmitt have added another model to its already proven range of external type balance heads. The Low Profile 'Pancake' automatic grinding wheel balancing head is specially designed for grinding machines where space is at a premium.

As the photos show, the SBS low profile head is almost 20% thinner than the standard profile head, allowing it to protrude less from the grinding machine when mounted on the grinding wheel or pulley end of the machine spindle. This gives the benefits of an internal type balancer without the complexities of installing an internal cartridge inside a spindle bore. It means grinding machine OEMs and end users can fit the balancer to the machine without design changes or modifications to existing wheel guarding.

on their machines. One particular application would be grinding machines with an angular approach wheel head for diametrical as well as face/ shoulder grinding. The angle between the axial of the wheel-head and axial of the work-piece, means that a standard balance head could potentially interfere with the headstock or tailstock. The Pancake balance head will allow the wheel-head to come much closer into a work-piece without making contact with either.

The head will be available in two frame sizes of 95mm and 130mm flange, and with capacities of 200gm.cm to 3,000gm.cm. The huge range of pre-designed machine spindle adapters from Schmitt mean that the new head can be fitted on almost all cylindrical,

see an improvement in component geometry.

The modular controller system that Schmitt uses means that the Pancake balancer can be used in conjunction with Schmitt's AEMS Gap – Crash product, which monitors the acoustic signal generated by a grinding wheel touching the work-piece or diamond dresser, further increasing productivity.

The new balance head will be displayed at the September IMTS exhibition in Chicago together with Schmitt's Gap-Crash monitoring systems, Hydrokompenser fluid balancers and full range of Acuity™ laser distance measuring sensors.



The Pancake name comes from the squat silhouette of the balance head when compared to standard products, and the head is fitted with a 1.2 metre flying lead, which lowers the profile further and facilitates installation. The head is compatible with all existing SBS controllers, connectors, cables and vibration sensors, so interchangeability will not be an issue for current customers who want to save more space

centreless, roll and surface grinding Machines. The SBS (Schmitt Balance System) will balance the wheel and spindle assembly to less than 1 micron in seconds. The head constantly reports and adjusts imbalance to eliminate chatter, poor surface finish, and to increase productivity. Users will also generally find an increase in grinding wheel and diamond dresser life, and can often

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