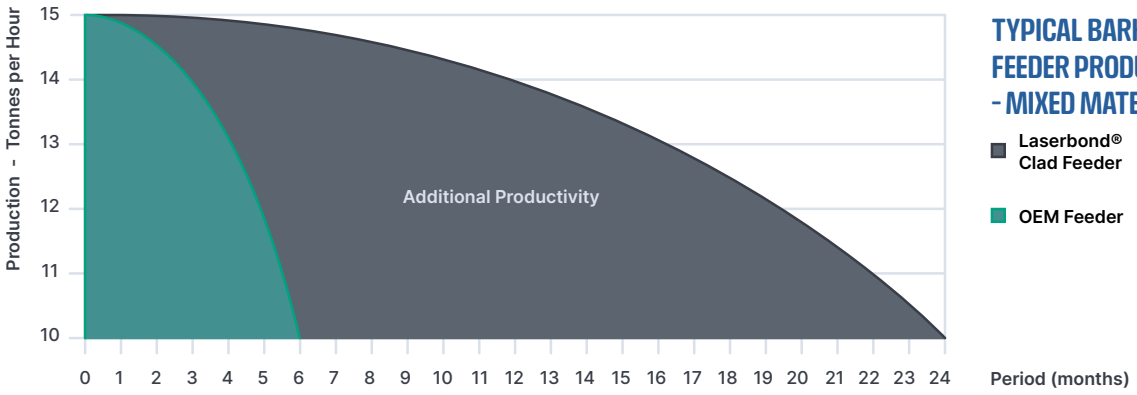
LASERBOND
ENGINEERED RESILIENCE

PRODUCT APPLICATION N0: LCBCSH2020

Bark Blower Feeder®

Laserbond® Composite Tungsten Carbide Cladding Proven up to 4 times longer productive life than your standard OEM Bark Blower Feeder.



TYPICAL BARK BLOWER FEEDER PRODUCTIVITY - MIXED MATERIALS

Laserbond® Clad Feeder

OEM Feeder

Laserbond re-engineers and fully manufactures a range of Bark Blower Feeders. Laserbond Bark Blower Feeders are manufactured and surface engineered, with a Composite Tungsten Carbide to the customers exact specifications with significantly enhanced surface wear characteristics, compared to the OEM equivalents.

Bark Blower Feeders are known to have a relatively short productive life due to surface wear, primarily on the contact components, compromising the integrity and productivity of the unit. When the reliability of the surface is lost, cavities or gaps form between the components parts of the unit which serve to exacerbate wear further due to the ingress and retention of abrasive material. As surface wear is incurred the Bark Blower Feeder loses pressure resulting in falling productivity, higher labour operating cost and eventually rending the unit operationally redundant and needing an expensive rebuild or total replacement. Ineffective surface properties of the base material traditionally used to manufacture the Bark Blower Feeders was identified by Laserbond as the root cause of poor operational life of these components.

Laserbond's Bark Blower Feeders address the issue of surface wear through Laserbond's® proprietary Laser Cladding deposition process. This process enables the deposition of metallic or metal matrix composite layers with a full metallurgical bond, utilising an accurately focused and infinitely controllable high power laser beam. The laser beam creates a very small weld pool on the surface of the area to be clad and enables precise control of the heat transfer into the base material and the deposited layer.

Laserbond was Australia's first specialist surface engineering company to design, build and operate Laser Cladding systems and now has more than 20 years' experience. Laserbond's vast proficiency means materials are selected, customised and applied to deliver the very best properties of abrasion and impact resistance, optimised to suit the customer's specific operating environment.

Laserbond® Laser Clad the surface wear areas of the rotor and housings of the Bark Blower Feeders providing significantly improved wear resistance characteristics of the units in operation meaning that the surface wear, and therefore productivity, losses are greatly retarded. Due to Laserbond's manufacturing experience and accuracy, housing tolerances are also significantly decreased ensuring greater product throughput than OEM standard. Laserbond's® Laser Clad Feeders can help you significantly lowering operating costs through a 4 to 10 times longer operating life, higher initial and ongoing productivity, a reduced carbon footprint and an ability to service markets of heavier, more abrasive materials.

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