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Powerful and profitable – the new AXIALSCAN -30/BO from RAYLASE makes light work of Material Processing

Wessling, Germany. For those who need to achieve the highest possible efficiency in that classic area of material processing with CO₂-Lasers, the new AXIALSCAN -30/BO from RAYLASE is bound to arouse special interest. As its name suggests, „The Beam Optimised-Family“ has a substantially improved optical design compared to the classical 3-Axis Systems. For any given field size, RAYLASE has achieved a reduction in the focussed spot size of around one third. These advantages are being gained NOW: Effectiveness in the way the material is processed – Reduced Costs.

The reduction in Spot size of around one third achieves double the power intensity if the laser power is held constant. Another way to look at it is that it is possible to achieve the same reaction in a material with approximately 50% of the Laser power so that the System really is more efficient and cost effective. In addition, the production of waste material and gasses – which may be toxic - is reduced by the same proportion. The environment benefits of this reduction are clear and the reduced burden on the extraction system saves space and reduces cost. The slightly higher up front costs of an AXIALSCAN -30/BO are quickly recuperated due the lower specification requirements of the Laser and extraction system. The savings continue as the work is being processed.

In a similar way, a higher processing speed and a better result at the same Laser Power is achievable. It is now possible to process materials with excellent results, which previously were deemed difficult or impossible. Higher speed means improved throughput. Innovation and efficiency Hand in Hand.

RAYLASE offers the AXIALSCAN -30/BO Systems in the following configurations: Type BO 100 covers Field sizes from 100 x 100 mm to 500 x 500 mm, BO 300 from 300 x 300 mm to 750 x 750 mm and the BO 600 from 600 x 600 mm to 1250 mm x 1250 mm.

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RAYLASE AG is a world-wide, trend-setting enterprise that develops modular components and assemblies to deflect and modulate laser beams and sells these internationally. Since its foundation in April 1999, RAYLASE has been facing the challenges in this field and supplying the market with innovative solutions. A global network of experienced specialists, external advisers, research and development facilities guarantee customers a range of products and services to the highest international standards.