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| <b>CNC laser welding machine for diamond saw blades</b>         |                        |   |
|---|------------------------|---|
| <b>Technical Specification</b>                                  |                        |   |
| <b>Nominal Voltage</b>  |                        | 400V 50Hz   |
| <b>Rated Power</b>  |                        | 8 kW  |
| <b>Laser Unit Power (Fiber Laser)</b>                           |                        | 3 kW  |
| <b>Welding speed</b>  |                        | approx. 2 sec. / segment  |
| <b>Cycle time (from segment to segment)</b>                     |                        | approx. 4s  |
| <b>Suitable Blade Size</b>                                      | <b>Diameter</b>        | 90 - 1200 mm (up to 1600 mm feasible)   |
|   | <b>Thickness</b>       | max. 6 mm   |
| <b>Suitable Segment Size</b>                                    | <b>Length</b>          | 20 - 40 mm  |
|   | <b>Thickness</b>       | 1,2 - 9 mm  |
|   | <b>Height</b>          | 9 - 20 mm   |
| <b>Segments Feeding Methode</b>                                 |                        | Automatic;<br>2 conveyor belts for normal and protective segments             |
| <b>Laser Focusing Methode</b>                                   |                        | Automatic   |
| <b>Loading and unloading</b>                                    |                        | Automatic up to 600 mm blade diameter;<br>Manual up to 1200 mm blade diameter |
| <b>Alignment/centering of the saw blade core and segments</b>   |                        | Automatic   |
| <b>Alignment/centering of the saw blade core and the collet</b> |                        | Automatic   |
| <b>Welding Power</b>  |                        | Adjustable  |
| <b>External Machine Dimension (L*W*H)</b>                       |                        | 2720*2085*2115 mm   |
| <b>Weight</b>   | <b>Welding machine</b> | 1250 kg   |
|   | <b>incl. Packaging</b> | 1550 kg   |
| We reserve the right to technical change.                       |                        |   |