

PROJECT INFORMATION

By developing and manufacturing special technical solutions we are creating innovations for solving our customers' problems. Corresponding to their requirements we develop and manufacture different kinds of transformers, voltage stabilizers, chokes, power supply units and power resistors.

Thanks to higher quality, longer service life and lower operational costs RUHSTRAT technology brings you ahead with all kinds of application.

Power Supply for Laser Machines

Lasers are used for the production of printed circuit boards as well as for drilling and structuring of these boards. The power supply integrated in the machine is designed for the universal connection to the globally prevailing mains voltage. It consists of a three-phase dry transformer with a total of 7 primary taps. These taps allow the adjustment in steps from 346 to 480 V to the respective mains voltage at site by simple reconnection of the transformer terminals. The output voltage for supply of the single components is 400 V constantly.

The heat arising from the transformer operation is dissipated through an attached fan system in order not to influence the sensitive production process. In addition to the integrated three-phase dry transformer there are terminal strips on the sub-plate of the power supply for the mains connection as well as plugs for the leads and return circuits to the main switch, miniature circuit breakers, line fil-

ters and power switches for the three different outlets.

For a simple connection and supply of the components there are output cables up to 5 m with socket contacts connected to the power



Power Supply for Laser Machines

rated power	13,9 kVA
input voltage	346-380-400-415-440-460-480V
output voltage	3 x 400V/ 50 -60 Hz
current	20 A
cooling	AF (forced air cooling)
degree of protection	IP20 / IP00