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APPLICATION GUIDE : SURFACE FINISHING OF STAINLESS STEEL

Surface finishing is a large expenditure for most companies. Various abrasives and polishing compounds are necessary in order to guarantee a good quality image, especially for decorated surfaces.

Valuable workpieces often become useless when operator errors cause damage to the material.

Processing Stainless Steel: The LP1503 VR Sanding/Polishing Machine can be used to grind faulty parts (e.g. scratches). The whole polished section can then be adjusted corresponding to the original finish. Roller guides in the front and back of the machine ensure even pressure on the abrasive.

We recommend the following operations:

1. Remove scratches with a sanding flap wheel:
40 grit (Ref. No. 250.496), or 50 grit (Ref. No. 250.497)
2. The next step is made with the sanding/polishing wheel, 80 grit (Ref. No. 250.515). This operation produces a mat finish corresponding to grain standard 180.
3. If a mat finish with a grain standard 250 is to be obtained, another operation has to be added, that is with the sanding/polishing wheel, 180 grit (Ref. No. 250.516).
4. Should the desired finish be light-brilliant, the stainless steel now has to be worked with the fine grinding wheel. This is a soft rubber polishing wheel made of rubber compound interspersed with abrasive, 60 grit (Ref. No. 250.525).
5. If mirror-bright is required, another operation is necessary, i.e. with the cotton buffing wheel (Ref. No. 250.521) and a suitable buffing compound (Ref. No. 123.811).

Of course, there are differences in stainless steel (VA - metal). Therefore, this guide is only a suggested method and the customer has to test by himself how he can obtain the required brilliance in the best way.

The sanding/polishing wheels, Fleece Mop Grinder (Ref. No. 250.515) are especially suitable for dulling and finishing. For this reason we have included this abrasive with the basic equipment. Also included are ten spacer rings and a hex key.

The LP 1503 VR is the ideal surface finishing machine for many applications: welds, graining, polishing, deburring, dulling, roughing and more. The machine weighs only 8 lbs..

