Quality and good service have always been Dellas' primary objectives.

Diamond blades are used to process natural stone and composite materials, quartz slabs, granite, marble, slate, stone chips, glass, concrete slabs, and many other materials. High quality, research and testing are strictly applied in order to maintain the superior quality of all the blades. The superior quality of our diamond blades is guaranteed by the consistency of the raw material used, the experience of the technical personnel, and the use of the latest technological developments in diamond tool production.

The long-standing experience of Dellas, matured all over the world, has allowed us to produce an extensive range of diamond segments capable of satisfying a wide variety of quality, lifetime and cutting requirements. As well as the variety of segments, products are available with cores of various sizes and specifications, depending on the type of gang saw and the type of material to cut. Quality and good service have always been Dellas' primary objectives.

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Diamond discs are used to cut and process all kinds of stone: marble, granite, engineered stone. Available in diameters ranging from 200 to 3,000 mm, with standard or silent cores, Dellas diamond discs assure quality and a perfect finish.

As every material requires a specific segment, Dellas uses a sophisticated research laboratory to correctly identify the stone to cut and select the most suitable mix for satisfying customer requirements.

Dellas supplies discs for a wide range of machineries, including:
- bridge cutting machines
- splitting-sawing machines
- heading machines
- single-disc block cutters
- multi-disc block cutters
- hand machines
- site cutters
- wall cutters.

Calibrating and polishing tools are used to process and finish the surfaces of natural and engineered stone.

The finishing process is divided into four steps which are performed in the following order:

1. **Roughing**: eliminates the surface imperfections deriving from the cutting process. Tools used: roughing rollers, roughing plates, fickerts.
2. **Calibrating**: prepares both the surface and shape of the material, thus respecting the tolerances required by the market. Tools used: finishing rollers, calibrator plates, satellite wheels.
3. **Smoothing**: eliminates roughing and calibrating marks and prepares the material for subsequent processing, such as polishing, brushing and satinising. Tools used: diamond fickerts, resin fickerts, diamond frankfurts, synthetic frankfurts, resin frankfurts, diamond brushes, steel brushes, carborundum brushes.
4. **Polishing**: gives the material colour and shine. Tools used: resin fickerts, synthetic frankfurts, resin frankfurts, polishers.

Thanks to its long-standing experience, Dellas can recommend a specific tool for each type of machine, material and finish.

Tools for numerical control work centres and milling machines are used for precision machining, such as curves, holes, specific shapes and details. Dellas supplies a complete range of tools:

- **Electrolytic tools** for machining marble and stone – core drills, straight routers, stubbing wheels, routers, profile sets.
- **Sintered tools** for granite, abrasive materials or coloured marble – core drills, drilling bits, straight routers, stubbing wheels, routers, profile sets.

The company does not simply supply the tools but also recommends solutions and operating parameters depending on the type of material and machine used.

Dellas tools for numerical control machines can be designed and manufactured to customer requirements.

Diamond wire is the latest and most interesting innovation in the field of diamond cutting tools. In constant growth, wire is used in quarrying, as well as in slabs cutting with single- or multi-wire machines, and in squaring and shaping natural stone (marble and granite).

The commitment and research of Dellas focus on developing tools capable of assuring an improved surface finish, the absence of vibrations, low noise and increased cutting precision and speed in order to achieve all-round cost/cutting (power, water and labour).

Dellas supplies:
- wire assembled with electro-plated beads
- wire assembled with sintered beads

to use in 5 main applications:

1. **in quarries**
2. **on static machines for squaring or cutting thicknesses**
3. **on contour machines**
4. **on multi-wire machines**
5. **on machines for beton/concrete**

On request, the company can recommend and produce depending on customer requirements, rubber dies, stainless steel dies, copper or steel. The company also recommends a specific belt for each type of material, roughing and fine.