



www.anand-gems.com

LAPIDARY EQUIPMENT

ABOUT US

We, the members of a family of Jewelers and Lapidarists of Jaipur, India have established this organization to develop indigenous machines and tools for the local **Lapidary Industry** in India that was mired in traditional methods of cutting and polishing of gems. These entrepreneurs used engineering skills with their extensive knowledge of lapidary operations to develop machines and tools to suit the Indian conditions and budgets.

As a result-today, "**ANAND**" is a household name in the Gemstone industry in India. We have already mechanized over 20,000 units processing gemstones in India and some in other countries.

Our biggest contributions have been in the colored gemstone sector in Jaipur and the synthetic stones sector in Trichy, Tamil Nadu in India.

We are regular exporters of Machines and Gems to many countries of the world including USA, Germany, UK, Russia, Australia, France, Belgium, Thailand, Sri Lanka, Tanzania, Saudi Arabia, Kuwait, Afghanistan, Iran, Singapore, New Zealand, Bangladesh, South Africa, Zambia, Argentina, Kenya, Madagascar, Italy, Holland, Abu Dhabi, Indonesia, Mozambique, Uganda and Brazil etc. and the list continues to grow....

We are also involved in poverty alleviation through self-employment programs of the Government. We are engaged in providing Training, Machinery & Equipment, Raw Materials and Marketing back up for the Finished Products of hundreds of workers belonging to the poorer section of the society.

Presently, the CEO of the company is Mr. S. N. Johri who has travelled around the world and has utilized his extensive knowledge of Gems & Jewelry for the development of this organization into a forward looking manufacturer-exporter of prominence.

A process of continuous development and up-gradation has resulted in development of arguably the most versatile **Concave Faceting Machine** by us. This has opened a whole new plethora of possibilities in the field of Concave Faceting of Gems which, we believe, is still in the pre-development stage. In order to try and realize the full potential, we have been led to starting a **devoted Lapidary unit for Concave Faceting** - where we not only develop new facets and styles but also provide **Custom Cutting Services** to our clients.

We also provide **training** at our factory as well as at our customer's factory.

Manufacturers & Exporters:

Anand Gems

Johri Bhawan, 1/398, Pareek College Road, Jaipur-302006, India

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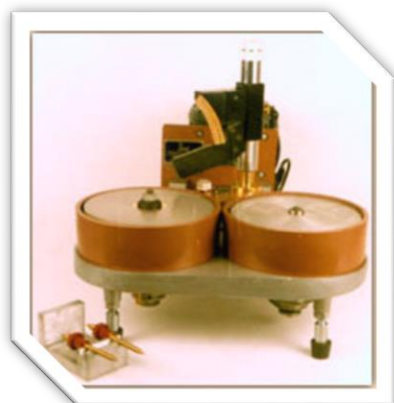
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FACETING & POLISHING MACHINE



MODEL: AEW - FPID

STANDARD EQUIPMENT & ACCESSORIES

The machine base is made up of Cast Iron and is fixed with zinc coated steel legs with check nut to help in maintaining proper balance on any surface. ¼ h.p. 1440 r.p.m. Single-phase 220 volts motor AC 50 cycle. This motor is fixed on a removable base plate. The two housings are driven by the same motor – but both these can also be rotated in different directions with the help of an idler pulley. This pulley is adjustable and is also used in tightening of the belt. One fixed housing is for the diamond coated grinding lap of 8" dia. The other housing is for the polishing lap of 6"- 8" dia. This housing is adjustable to match the height of the

polishing lap to that of the grinding lap. The machine comes with faceting equipment consisting of a Facetor, which helps in maintaining the angles and has a cheater adjustment for fine tuning the alignment. The dop sticks are fitted with the indexing attachment.

OPERATIONAL DETAILS

This is the most versatile faceting and polishing machine for Gems. The Gemstone is fixed on to the Brass dopstick with the help of wax. This dopstick comes with an indexing attachment. One end of the dop stick has the stone and the other end of the dopstick is rested in the respective angle slot in the facetor. These slots provide for different angles at which the stone is required to be cut and polished. The indexing attachment on the dop stick is rested and supported against the cross arm of the facetor. The indexing attachment is operated to get the different facets. Once the faceting is complete, the same operation is repeated on the polishing lap for achieving polish on the facets. The indexing attachment has the standard divisions to achieve various facets on the stone. The angle of cutting and polishing is controlled by using the facetor slots. This machine is ideal for simultaneous faceting and polishing of gems in almost all conceivable shapes and is ideal for operator based adjustments for achieving higher yield and also for altering facets and angles at will for irregular shapes.

OPTIONAL ACCESSORIES

The grinding lap, the polishing lap, dopsticks, dopstick stand, transfer block, light and coolant attachments are not provided with the machine.

MAJOR ADVANTAGES

1. The indexing attachment is fitted on the dop stick itself and as such this affords a full view of the stone.
2. Since the faceting and polishing is being done with the same Facetor on the same base, the problems, those arise due to misalignments are not faced in this machine. The facets are fully polished in exactly the same way as they have been cut.

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