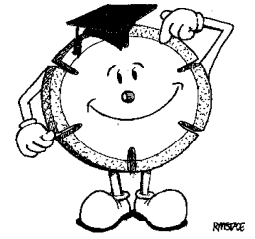


HYPER BLADES



DESIGN PHILOSOPHY

Decades of diamond saw blade use, by millions of users all over the world, has confirmed one vital fact. "There is no such thing as a really efficient general purpose blade for all materials, all machines, and all conditions"

Often requested, this elusive tool remains as rare as ever. Instead, diamond saw blade design engineers have discovered different ways of yielding maximum cutting rates and tool life, from custom developed blades for various operations. Machine horsepower and type, material composition, budget, speed of cut preferences, and many other factors are taken into account when configuring blades.

The amazing central component is man made diamond. Synthesised in modern factories, using secret production facilities, diamond is grown into crystals which can be consistent in shape, toughness and processing damage resistance. Each tooth a marvel of hardness, in it's own right capable of cleaving the hardest concrete or stone.

Using these tiny power houses, High Performance Diamond Technology designs reflect decades of experience in New Zealand.

We aim to lower your costs through shared experience and teamwork.

Work with us.

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" DARK LASER "

GENERAL ROADING WORK

When faced with the decision of which blade to buy for cutting asphalt roads and pavements, contractors often fear complete loss of the blade purchased. Either loss through misapplication, abuse, or just plain disappearance of the tool.

In the old days when safety wasn't such a mandatory preoccupation, contractors could buy a few abrasive cut off wheels knowing that the firm could stand the loss of the occasional \$15 tool. In fact, the very high risk of loss often ensured that the contract could not be effectively carried out because the potential productivity and low metreage costs of diamond blades could not be taken advantage of.

Engineers reasoned that the greater productivity of diamond blades, and the "lower cost per metre cut" potential, could only be realised if the initial blade price could be kept very low, and at the same time, allow a practical design to be evolved.

The "Dark Laser" has been developed with just these ideas in mind and reflects "Diamond Blademan's" commitment to bringing you practical working tools at prices that won't break the bank. Testing allowed us to develop a flexible cutter for use on smaller flat saws and high speed cut off saws, as well as trolley mounted saws. "Dark Laser" is constructed using advanced laser techniques which permit the blade to be put under considerable pressure before it can be damaged. Although it is designed to be used with water for maximum life, the blade can be used for short lengths without water, at shallow depths of cut.

Consideration of this blade specification will be made easier if potential tool write off is more likely than desired, a tight budget is a temporary reality of life, or if the circumstances justify caution.

The extremely tough design, made possible by high temperature laser welding, increases operator and bystander safety by a considerable margin. This is an essential requirement under the strict Safety and Health laws which require operators to consider the safety of others within proximity (30 metres) of the cutting operation. Clearly a "laser" blade is less likely to fly apart under duress creating a safer environment for all.