BLADE SELECTION CHART

	Saw (Machine)	Materials	Amount of Cutting
CARBON Hard Edge, Flexible Back	Standard Light Duty Machines Vertical or Horizontal Contour Machines + Friction Saws Up to 15,000 SFPM	- Non-Ferrous Materials - Mild Steels (Easy Machinability) - Non-Ferrous Metals - Low Alloy Steels For Example: (Aluminum, Cast Iron, Cold Rolled, Annealed Alloy Steels, Carbon Tool Steels, Wood, Plastic)	General Purpose Cutting Occasional Usage Maintenance + Utility Needs - Varied Applications - Multiple Operators
CARBON Hard Edge, Hard Back	Light to Medium Duty Machines - Manual or Automatic - Vertical or Horizontal Contour Machines - Under 3,000 SFPM	- Non-Ferrous Materials - Mild Steels (Easy Machinability) - Non-Ferrous Metals - Low Alloy Steels For Example: (Aluminum, Cast Iron, Cold Rolled, Annealed Alloy Steels, Carbon Tool Steels, Wood, Plastic)	Production and Non-Production
BI-METAL Matrix II	Light to Heavy Duty Machines - Manual or Automatic - Vertical or Horizontal - Contour and Cut-Off Machine	- Easy to Moderate Machinability Steels - Solids, Shapes, Pipe, Tubing Structuals - Bundled or Stacked Materials For Example: (Alloy Steels, Carbon Steels, Structural Steels, Tool Steels, Stainless Steels, Air Hardening, Die Steels, etc.)	Production and Non-Production Varied Applications With Same Blade — Multiple Operators
BI-METAL M42	Heavy Duty Automatic Machines - Vertical or Horizontal	- Moderate to Difficult Machinability Steels - High Temperature Alloys - "Super" Alloys - Tool Steels - Solids or Heavy Wall Tubing For Example: (Inconel, Waspalloy, Hastelloy, D Grade Steels, Stainless Steels etc.) NOT RECOMMENDED FOR STRUCTURALS	Production and Non-Production Cutting Under Controlled Conditions