

LASER SYSTEMS/ APPLICATIONS	EV40	EV25DS	EV15DS EV10SDS	EVCDS/EVC
	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, High pulse energy, 40 Watt, Nd:YVO <sub>4</sub> laser marker	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, 25 Watt Nd:YVO <sub>4</sub> laser marker	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, 15 Watt and 10 Watt, Nd:YVO <sub>4</sub> laser marker	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, compact, high reliability, 9 Watt and 8 Watt, Nd:YVO <sub>4</sub> laser marker
Marking metals	Best choice for high speed surface and deep marking of almost every type of metal.	Excellent choice for high speed surface and deep marking of almost every type of metal.	Good choice for high speed surface and deep marking of almost every type of metal.	Good choice for surface marking of almost every type of metal with very small heat effected zone.
Marking plastics and label materials (3M, Tesa, etc.)	Best choice for high speed marking of plastics and label materials.	Excellent choice for high speed marking of plastics and label materials.	Excellent choice for high speed marking of plastics and label materials.	Good choice for marking plastics and label materials.
Marking silicon	Best choice for deep marking of silicon.	Excellent choice for deep marking of silicon.	Excellent choice for surface marking of silicon.	Can do surface marking of silicon.
Marking organic materials	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.
Marking high quality graphics	Best choice for high speed marking high resolution graphics due to small spot size.	Excellent choice for marking high resolution graphics due to small spot size.	Excellent choice for marking high resolution graphics due to small spot size.	Excellent choice for marking high resolution graphics due to small spot size.
Workstations	ProStation	ProStation	ProStation	Prostation MiniStation TablePro DrawerPro
Vari-Z 3-Axis Marking	Available	Available	Available on EV15DS	Available on EVCDS



LASER SYSTEMS/ APPLICATIONS	FQD100	FQ50, FQ30, FQ20	FQ10	EY6DS
	1060nm wavelength, air-cooled, single phase, Q-switched, Dual 50 Watt Yb fiber laser marker	1060nm wavelength, air-cooled, single phase, Q-switched, 50,30, and 20 Watt Yb fiber laser marker (Will provide faster cycle times than FQ10.)	1060nm wavelength, air-cooled, single phase, Q-switched, 10 Watt Yb fiber laser marker	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, 6 Watt, Nd:YAG laser marker
Marking metals	Best choice complex or multi-surface and deep marking of most metals. Special care is required for copper, brass or any other highly reflective or polished metals.	Better choice for surface and deep marking of some metals. Special care is required for copper, brass or any other highly reflective or polished metals.	Good choice for surface and deep marking of some metals. Special care is required for copper, brass or any other highly reflective or polished metals.	Good choice for surface and deep marking all metals.
Marking plastics and label materials (3M, Tesa, etc.)	Best choice for complex or multi-surface marking many plastics and label materials. (Some surface melting can occur due to long pulse width.)	Better choice for marking many plastics and label materials. (Some surface melting can occur due to long pulse width.)	Better choice for marking many plastics and label materials. (Some surface melting can occur due to long pulse width.)	Good choice for marking plastics and label materials.
Marking silicon	Capable of multi-surface and deep marking of silicon.	Capable of deep marking of silicon.	Capable of deep marking of silicon.	Capable of deep marking of silicon.
Marking organic materials	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.
Marking high quality graphics	Can mark high quality graphics simultaneously in different locations	Can mark high quality graphics on some metals.	Can mark high quality graphics on some metals.	Excellent choice for marking high resolution graphics due to small spot size.
Workstations	ProStation	ProStation MiniStation TablePro DrawerPro	ProStation MiniStation TablePro DrawerPro	ProStation MiniStation TablePro DrawerPro
Vari-Z 3-Axis Marking	Not Available	Available	Available	Not Available



LASER SYSTEMS/ APPLICATIONS	EV4GDS	CO60	CO30AP	CO10A/CO10AP
	532nm wavelength; air-cooled; single phase; diode end-pumped, Q-switched, green laser marker	10.6um wavelength, air-cooled, single phase, RF excited, 60W CO <sub>2</sub> laser marker (provides faster cycle times than CO30 series)	10.6um wavelength, air-cooled, single phase, RF excited, 30W CO <sub>2</sub> laser marker (provides faster cycle times than CO10 series)	10.6um wavelength, air-cooled, single phase, RF excited, 10W CO <sub>2</sub> laser marker
Marking metals	Excellent choice for high speed surface marking all metals with very small heat effected zone produced.	Can mark anodized metal surfaces. With short focal length lenses, can mark some non-plated metal surfaces.	Can mark anodized metal surfaces. With short focal length lenses, can mark some non-plated metal surfaces.	Can mark some anodized metal surfaces.
Marking plastics and label materials (3M, Tesa, etc.)	Excellent choice for marking plastics. Marks large variety of plastics.	Excellent choice for high speed marking plastics and some label materials.	Excellent choice for high speed marking of plastics and some label materials.	Excellent choice for high speed marking of plastics and some label materials.
Marking silicon	Excellent choice for surface marking of silicon.	Not recommended	Not recommended	Not recommended
Marking organic materials	Cannot mark wood. Can mark some other organic materials.	Excellent choice for marking wood and other organic materials.	Excellent choice for marking wood and other organic materials.	Excellent choice for marking wood and other organic materials.
Marking high quality graphics	Excellent choice for marking high resolution graphics due to small spot size. Highest resolution capability.	Can mark high quality graphics on plastics and on some anodized metal surfaces.	Can mark high quality graphics on plastics and on some anodized metal surfaces.	Can mark high quality graphics on plastics and on some anodized metal surfaces.
Workstations	ProStation TablePro DrawerPro	TablePro DrawerPro others consult factory	TablePro DrawerPro others consult factory	ProStation TablePro DrawerPro others consult factory
Vari-Z 3-Axis Marking	Available	Not Available	Not Available	Not Available



For all applications, it is highly recommended that samples be sent to TELESIS for qualification and testing purposes.