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For Immediate Release

Eclipse Helps CMC Expand into High-Density Mastering

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Eclipse is pleased to announce that CMC has purchased and successfully installed an ESP7000 formatter for their expansion into next-generation recordable discs. CMC is one of the first manufacturers in Taiwan to venture into the new high-density formats.

Along with the ESP7000, CMC purchased HD DVD and Blue-ray format modules giving them the capability to master recordable and rewritable discs for both formats including single and dual-layer.

CMC has completed the HD DVD formatter installation and process optimization including the key milestone of obtaining approval from Toshiba. They have also successfully manufactured HD DVD recordable discs with AACs. Using Eclipse's BD format module, CMC is the first manufacturer in Taiwan to successfully produce BD recordable stampers and discs.

CMC evaluated several formatters extensively before making their decision. "Knowing the importance of the next generation formats, it is essential to choose the right formatter," stated Tony Tang, Vice President of CMC. "After evaluating the options, Eclipse was the obvious choice for us."

"CMC is one of the world's premier manufacturers of recordable discs. We are very proud that CMC chose the Eclipse formatter for this important project," added Bob Edmonds, Eclipse's Vice President Sales & Marketing.

Critical to the success of the evaluation, installation, and process optimization is the participation of Limbic, Eclipse's distributor for the region. Limbic brings strong customer support and a great knowledge of the recordable mastering process.

The ESP7000 formatter offers unprecedented signal quality and programmability, providing CMC with a powerful process to master high-quality stampers.

Every ESP7000 comes standard with two programmable wobble channels and two high-speed data channels. Housed in a separate isolated enclosure, its advanced, low-noise electronics are not subject to typical electrical noise found inside PCs. This low noise environment contributes to ESP7000's extremely low jitter. All channels are synchronized to one master clock programmable up to 235.44MHz (9R DVD rate). The ESP7000 has been integrated to all popular LBR types.

Recordable format modules for the ESP7000 also include an advanced pulse shaping feature that offers high resolution power control and pit width adjustment. Both timing and amplitude can be adjusted in 0.1% increments. Even greater process optimization can be accomplished by using the built-in inter-symbol interference compensation. This feature allows pits to be shaped based on preceding and succeeding land lengths. Pulse shaping parameters can also be varied by radius.

The ESP7000 supports all CD, DVD, HD-DVD, and BD recordable and prerecorded formats.

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About Eclipse Data Technologies:

Eclipse is the new leader in optical disc premastering and mastering products. Their ESP7000 formatter and outstanding customer support have revolutionized the optical disc industry. Eclipse's products are used in almost every disc factory in the world. For more information please contact Eclipse at sales@eclipsedata.com.

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