

Really Big Gets Even Better!



Tamarokuto Science Center, which is located in a suburb of Tokyo, Japan opened in 1993. For many years, its huge 27.5 meter (90 feet!) dome held all world records for size. Originally, only the GOTO HELIOS could handle that size dome, and the HELIOS served Tamarokuto well for 19 years. But when it came time to renovate the projection equipment, a GOTO CHIRON II HYBRID was chosen.



Since the CHIRON II can beautifully fill 15-30 meter domes, and since GOTO's support for the HELIOS had been rock solid, the CHIRON II was the natural choice. It can show a full 140,000,000 stars, down to magnitude 18 to create a sky that looks better and better the closer you get to the dome, or when using binoculars to observe the planetarium sky. The use of micro-star technology allows the CHIRON II to show 337 bright nebulae, planetary nebulae, star clusters, and galaxies including all Messier objects, as well as 2,140 dark nebulae. The light source of the CHIRON II is LED lamps which are super-long life, highly energy efficient and superior in color temperature to produce the highest fidelity stars.

To fill this huge dome, the CHIRON II is paired with not two, but four ultra-high resolution JVC 4K video projectors for bright full-dome video scenes showing more than 13 million pixels of colorful, animated imagery. These full-dome video images are synchronized to move precisely with the motions of the CHIRON II starball, sun, moon, and planets projectors, for the ultimate planetarium experience.



To learn more, contact:

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Also new in this renovation is the ergonomically-designed GOTO HYBRID control console, which will allow Tamarokuto staff to give exciting live programs. Going big with GOTO definitely means going great!