

Press release (26.09.2019)

Council of Scientific and Industrial Research

Carborundum Universal Limited

Wins

CSIR Diamond Jubilee Technology Award (CDJTA)-2018

CSIR Diamond Jubilee Technology Award for the year 2018 is conferred on Carborundum Universal Limited for development of Metallized Alumina Ceramics like metallized alumina cylinders for vacuum interrupters / vacuum circuit breakers for electrical applications and other advanced products which require ultra-high vacuum tightness and high bond strength between ceramic – metal joint.

Unique feature of the technology is that a thin layer of strong metal like Molybdenum is deposited onto the ceramic base due to which it becomes possible to join (through Brazing) the ceramic to a metal.

Metallized ceramics are a very advanced category of ceramic products used in vacuum electronics in strategic applications like electrical distribution, aerospace, defense and also in the general consumer electronics category.

This innovation has addressed the growing demand of metallized ceramics by setting up a plant with global scale of operations. Carborundum is the only manufacturer of Metallized Ceramics in the country and the second largest producer of Metallized Ceramic Cylinders in the world.

CSIR applauds and honors Carborundum Universal Limited for this significant innovation and achievement.