

Abstract: INDUCTION COIL DESIGN CONSIDERATIONS

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English Abstract:

In the design of inductors focused on heat treatment there are multiple factors that contribute or affect the optimal performance of an inductor, in this presentation we will address typical situations regarding the type of inductor, designation of parameters, types of mounting, spray quench and phenomena present when designing an inductor.

Biography:

Mechatronics Engineer graduated from the Technological University of Tula-Tepeji, currently based in the state of Queretaro, Mexico. With 2 years of experience in tooling manufacturing and 5 more years dedicated to the design of inductors. Specialized in design, modeling, and simulation, he leads the engineering and development team in the induction tooling division at Inductotherm Heating & Welding Mexico, in search of continuous improvement in products and that the development of new projects exceeds the expectations of performance and life has implemented new processes with a highly technical approach in induction processes.

Resumen: CONSIDERACIONES DE DISEÑO EN BOBINAS DE INDUCCIÓN

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Spanish Abstract:

En el diseño de inductores enfocados a tratamiento térmico se tienen múltiples factores que aportan o afectan el desempeño óptimo de un inductor, en esta presentación abordaremos situaciones típicas referentes al tipo de inductor, designación de parámetros, tipos de montaje, enfriamiento y fenómenos presentes al momento de diseñar un inductor.