

induction heating for plasma

United Induction Heating Machine Limited

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Physically, a plasma, a gas type, which consists partially or completely of free charge carriers, such as ions or electrons. All plasmas are therefore electrically conductive. The plasma is - fixed besides the known states of matter, liquid, and gas - a fourth state. The theory describing a plasma as an electrically conductive gas is the magneto-hydrodynamics. Characteristic of the plasma lights, which is caused by the radiation emission of the highly mobile gas atoms, ions or molecules.

On Earth, you will find natural plasmas as the Northern Lights (low pressure plasma), which are caused by the solar particle flows in the ionosphere. In the flashes produced by the energy of electrical discharges between clouds and the ground atmospheric pressure plasmas. In a plasma flame is practically non-existent. A high-pressure plasma is located in the center of the Sun, where hydrogen is fused into helium.

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