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The invention refers to machine parts repair, namely, to the pinion teeth restoration.

The installation contains a rotatable table for fixation of the processing pinion thereon, the device for hard-facing, including a hard-facing mould, installed with the possibility to move vertically, a cooling device, an electrode and a pipe for flux feeding. The hard-facing mould is executed in the form of a rotatable disk, on the periphery of which it is made an annular groove, the cross-section of which corresponds to the processing pinion tooth shape, the axis of the rotatable disk being perpendicular to the processing pinion axis, the cooling device is made in the form of a bath filled with the lubricant-coolant into which it is immersed the rotatable disk lower part.