



Reduces Machinery Failure to 1/7

[381]

Miracle Boy brings great result by preventing press machine failure.



↑ Customer in Chubu, Japan using Miracle Boy



↑ Parts made by cold-forging method

33% of gas vehicles in the world use a sensor which was made by a press machine. This customer produces high quality parts for Lexus by press machines.



Miracle Boy URC-811-8V

Lubricant oil tank for the press machine



Current Problem	Equipment: Oil: Filtration unit: Problem:	Komatsu MAYPRES L2C250 (250T) Komatsu Pure Oil PT-3 (ISO VG32) 200L Line filter of Oil circuit Press machine failure is caused by contamination of lubricant oil; however, the machine cannot be stopped to exchanging the oil.
Solution	Action: MB Model #: Element:	Installed Miracle Boy to Press machine lubricant oil tank URC-811-8V UGE-21-SHG
Result	<ul style="list-style-type: none"> Coating of pre-processed parts and bonding got mixed into lubricant oil ---- Oil gets dirty quickly. Using dirty oil causes failure of clutch and bearing for press machine. Repair or overhaul for the parts will cost US\$350,000 and takes 3 months to complete. By installing Miracle Boy, the failure was successfully eliminated. <p>Reduced maintenance cost, Eliminated machine's downtime, maintained product quality and no need to exchange oil.</p>	
Feedback from customer	Comparing the test result using customer's press machine: Repair for clutch = Installed Miracle Boy: 1 every 7 years Without Miracle Boy: 1~2 every year It achieved great results preventing machine failures. Therefore, they decided to use Miracle Boy on all other machines. (7 more Miracle Boy were installed.)	