



- 1989: license from Japanese company **muRata**
- original piezo production focused on piezoceramic converters and ringers as substitution for previous telephone inserts and electromechanical buzzers





- development and production of piezoceramic discs, quadrate plates, membranes with various diameters, piezoceramic converters and ringers



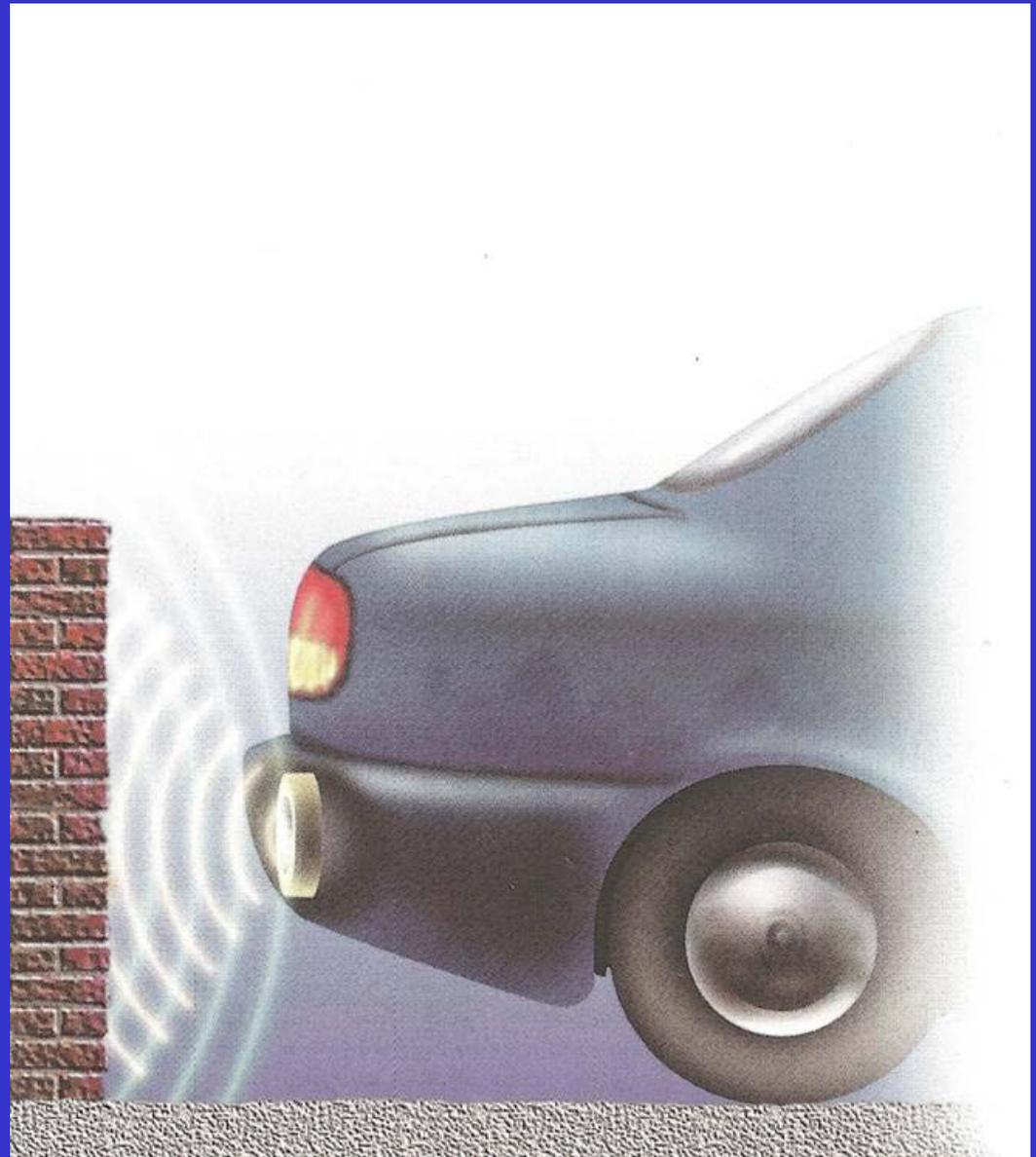


- mass production of thin piezoceramic elements (thickness 100 – 300 microns) with various electrode configuration (according to customer request),
- extrusion and punching technology based on Murata licence





- application for parking sensors
- by the reverse driving the ultrasonic sensors measure the distance between car bumper and obstacles by acoustic ultrasonic signal



# Ceramic production



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- powder production (soft material of NAVYII type 200 – EU standard – similar to Morgan PZT5A1 or CeramTec P5)
- powders are based on system PZT + Nb



# Ceramic production - extrusion



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# Ceramic production - stamping



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# Ceramic production - sintering



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# Sensor production - sintering



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# What can we offer?



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- metallization, polarization, gluing, measuring and testing of piezoelements according to customer's requirements,
- development (and sales) of automatic machines for metallization, polarization, gluing, measuring and testing of piezoelements,
- production of special piezoceramic elements according to customer's requirements,
- sales of sintered thin piezoceramic elements (thickness 100 – 300 microns).