

**Occupational Profile**  
**Machinery Maintenance Mechanics**  
**OES (Occupational Employment Statistics) CODE: 85110**

Cameron County		Hidalgo/Starr/Willacy Counties	
Employment 2000	Projected Employment 2010	Employment 2000	Projected Employment 2010
60	70	80	90
Absolute Change		Absolute Change	
#	%	#	%
10	16.7	10	12.5
Is License Required?	Growth to Replacement	Is License Required?	Growth to Replacement
No	0:0	No	0:0
Hourly Wage 2002		Hourly Wage 2002	
Mean	Median	Mean	Median
*	*	*	*

**Job Description:**

Machinery Maintenance Mechanics must be able to detect and diagnose minor problems and correct them before they become major ones. After diagnosing the problem, the mechanic disassembles the equipment and repairs or replaces the necessary parts. Although repairing machines is the most important job of machinery maintenance mechanics, they also perform preventive maintenance. This includes keeping machines and their parts well oiled, greased, and cleaned. Mechanics regularly inspect machinery and check performance. Installation of new machinery is another responsibility of machinery maintenance mechanics.

**Average Education Required**

Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.

**Related Occupations**

Other occupations that involve repairing and maintaining machinery include aircraft mechanics and service technicians; elevator installers and repairers; machinists; millwrights; and automotive, motorcycle, diesel, farm equipment, general maintenance, mobile heavy equipment, and heating, air-conditioning, and refrigeration mechanics.

**Skills Required**

- Repairing -- Repairing machines or systems using the needed tools
- Equipment Maintenance -- Performing routine maintenance and determining when and what kind of maintenance is needed
- Testing -- Conducting tests to determine whether equipment, software, or procedures are operating as expected
- Troubleshooting -- Determining what is causing an operating error and deciding what to do about it
- Problem Identification -- Identifying the nature of problems
- Operation Monitoring -- Watching gauges, dials, or other indicators to make sure a machine is working properly
- Equipment Selection -- Determining the kind of tools and equipment needed to do a job
- Product Inspection -- Inspecting and evaluating the quality of products

Industrial Employment Patterns		
Industry Code	Industry	Percent of Employees
5080	Machinery, Equipment, & Supplies	8.5%
1380	Oil & Gas Field Services	8.1%
3080	Miscellaneous Plastics Products	4.7%
3670	Electronic Components & Accessories	4.2%
8820	Self-employed & Unpaid Family Workers	3.7%
2010	Meat Products	3.7%
1310	Crude Petroleum & Natural Gas	3.4%
2910	Petroleum Refining	3.1%
3530	Construction & Related Machinery	2.8%
3440	Fabricated Structural Metal Products	2.2%