



## Umbauten, Erneuerungen, Retrofit

### Conversion cutting machine

WU210

The machine is designed for a workpiece size of 3000 x 4000 mm. For steel sheets up to 200 mm thickness, or the like. The gantry was at a large Swiss companies bought by the WIAP AG and rebuilt. The first control was a Sinumerik 810M. The new control is a Sinumerik 802 DSL.

The flame cutting machine WIAP FPL machine was built in 1993, made of a gantry of the company WMW, bought at Sulzer. In September 2006, converted to a new one CNC Sinumerik 802 of Caroline and HP Widmer in Angola. 7 machines, all the same CNC control, which is ideal for the maintenance.



Figure 1: Up to 200 mm thick plates can with of the plant to be cut.



Figure 2: HP Widmer trained in Angola Operators of the new CNC control.



Figure 3: Caroline Widmer had the project line for the entire reconstruction of the Sinumerik 810 T to the Sinumerik 802nd

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Figure 4: Here the old CNC is against the new replaced. For the old CNC there was the spare parts no longer guaranteed.



Figure 7: The operators are very clever. In front Place on hand sketches, they make the Preparation, is then programmed.



Figure 5: the panel is attached to the same place, where the old, already 20 years CNC control, was.



Figure 8: Caroline Widmer is available each morning 5:00 on. 6:00 work start. 20: 00h dinner. So long working days.



Figure 6: 3000 x 4000 and 2000 mm stroke / Flat / movement. Here can be made what needs to be done. The flame cutting Machine has almost no limits.



Figure 9: Top surgeons. After sketches they have delivered a part in 15 minutes.



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Figure 10: Thanks to the many cycles was much be easily executed.



Figure 11: surgeon observes the Melo Cutting process. Used to be a pre-drilling Necessary, but a special cycle has Piercing without pre-drilling permits.



Figure 12: June 2016 Angola: 15 years later. Again HP Widmer a few years older, how the machines. The old Sinumerik are finished. The controls are sulfur-Air, and the high humidity greedy, which often is up to 110%. But the mechanics nor join in!



Figure 13: Here is a section through a via prepared 100 mm-thick steel plate.



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14: Now the machine does everything automatically. The programming for the Preheat and with the various valves Beginning a few hours of work, because the whole process needs a little experience.

Delivery of the machine from Switzerland

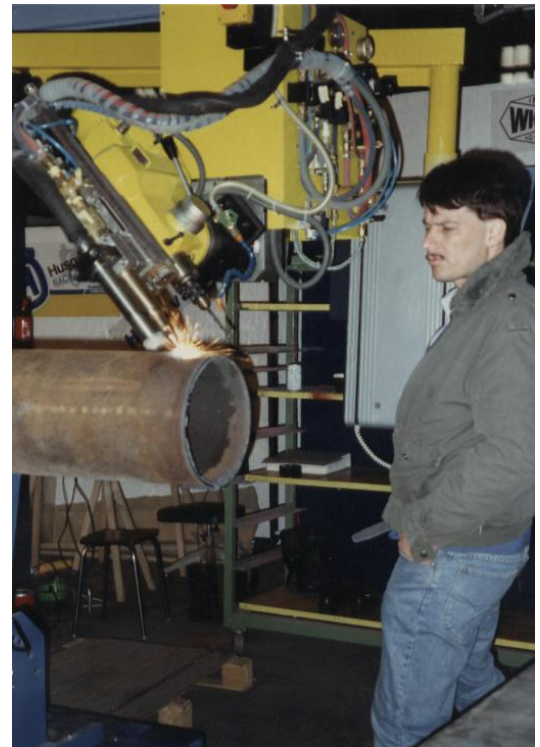


Figure 17: The machine was for saddles Flame cutting prepared.



Figure 15: As the machines 24 hours / day / 7 run day week, it takes many Operators.



Figure 18: The cutting head can be in all Directions turn.



Figure 16: surgeons in discussing.

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Figure 19: plasma or oxyfuel, both were integrated.



Figure 20: Here, the pipe support. It was planned to cut pipes with the plant saddles to 12 meters.

The WIAP AG continues to expand its machine tools and has a subcontractor base. Whether for new machines or conversions; there are usually used everywhere the same internal components. Thus, the spare parts warranty is secured.

When WIAP AG are not only the old who can do that. For years, the WIAP this training, intensified for the cockroaches. There are always more than a shaving machine handy.

The cost of a retrofit (conversion with revision) to a new machine is about 40 to 60% of a new machine, because the basic meat is available. Only an exchange of CNC without drives what is

possible today, with analog drives, can not be held rare even among 10 to 20% of the machines new purchase value. Even then, you have the built latest CNC control on the machine so that the operator does not feel he has an old machine. Thanks to the WIAP alarm system design prevents incorrect operations and not know how to do something, backed with messages. This results in a very simple operation for all employees who work on a retrofitted by the WIAP machine. Thus its pleasure to work with the machine.

***Manufacturers and sales, design electrically and mechanically all from one hand***



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End tag retrofit of  
Cutting machine machine

**Title:** Conversion Retrofit CNC cutting machine of WIAP.

**Description;** From a portal faces the WIAP has a machine with 3000 x 4000 mm, a flame cutting machine system cultivated.

Unique technology with a large space. Latest CNC technology WIAP

**keyword:**

Surfaces Portal has for flame cutting with 3000 x 4000 mm travel. Also plasma (plasma system) is integrated. Only-like technology with a large space. Latest CNC technology WIAP

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