



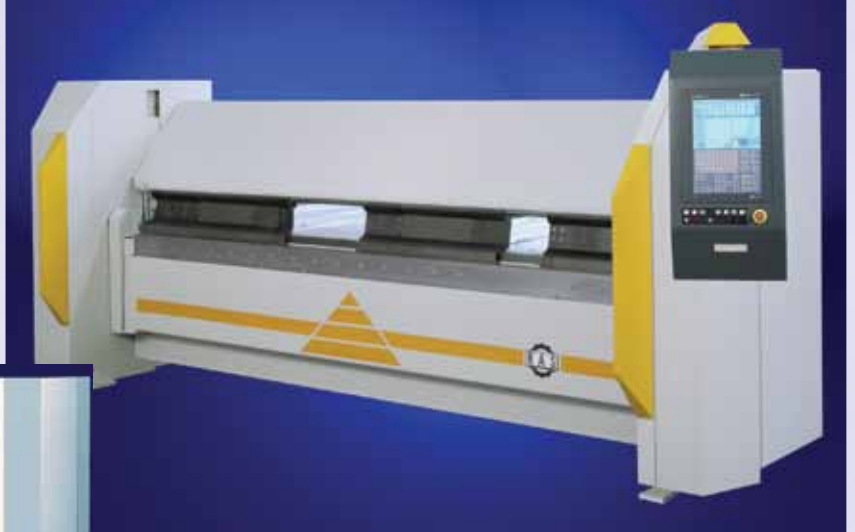
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The Press Brake ... vs ... The Folding System

**Get ready, Get ready, Get ready,
Get set. Get set. Get set.**

GO!

It's a simple truth. With traditional press brakes and short run, complex, flat panels, you'll probably spend most of your time in set-up and change-over, and just a little time actually running your workpieces. With the very latest CNC folders from RAS, it's just the opposite. You'll spend most of your time making perfect parts, along with the productivity and profitability that go with them. Here's why:



THE COMPUTER DOES EVERYTHING.

The RAS folding system is run by a sophisticated, yet user friendly CNC that stores, and instantly recalls, any program you run. Utilising graphics and text in a windows format, the control offers fully integrated tooling calculation and programming of parametric families of parts. It is so powerful, that it allows you to completely automate the multi axis folding operation for perfect parts everytime with no change-over, and using any, material thickness...not so with a press brake.



ONE MAN OPERATION.

The latest CNC folders from RAS are designed and engineered specifically to create your parts, no matter how large, with only one operator. The reason for this lies in the inherent difference between press brakes and folding systems. The folding system uses a unique integrated support and backgauge system that holds and manipulates the work piece with minimal operator involvement and eliminates whip. That means speed, safety and only one person... not so with a press brake.

NO TOOL CHANGES.

The RAS folding system utilises universal tooling. No set-up or change-over is required when changing angles, material thickness, or material types. Any angle from 0 - 135 degrees, including open and closed hems, can be done with the same tools. Shimming is never necessary. Toolclamping is automatic. Tools can be added or removed using only the human hand and done in a matter of seconds. Imagine only one set of universal tools for your entire part range... not so with a press brake.

GET READY, GET SET...

If you want to spend all your time getting ready and getting set, keep your press brake. But if you really want to GO!...with productivity and profits, then take a look at RAS folding systems.

• **QUALITY THAT COUNTS** •



Reasons for considering a CNC Folder

**They are ideal for panel type work,
small batch operation & sensitive materials**

- 1. The sheet stays on the backstop bed and only the edges are folded.**
 - The larger the panel the greater the advantage.
 - Can reduce jobs from 2 man to 1 man operation.
 - Greatly eases operator workload.
- 2. The back gauge works off the far edge of the sheet so you measure the actual panel dimension required and any intolerances in the sheet are taken out in the first fold on each side.**
 - Improves accuracy & repeatability.
 - Reduces need for precision blanks.
- 3. The material is clamped and then folded, a more repeatable product can be achieved.**
 - Less springback correction needed.
 - Less likelihood of operator error.
 - Reduces down line work, e.g. corner preparation for welding.
- 4. The angle of fold is adjusted from 0 to 135° without tool changing. Furthermore, a correction factor can be simply inputted by pressing a button to allow for changes in material type or quality without the need for reprogramming.**
 - Greatly reduced tool costs.
 - Accurate angle folding.
 - Faster folding of multi-angle products
- 5. Gentler handling of product leads to less marking of material.**
 - Less scratching with sensitive materials, e.g. Stainless Steel, Aluminium, Precoated Steels etc.
 - The part is folded into position and isn't pressed into V-die as on a Press Brake with consequent scratching and tool wear.
- 6. Very simple and user-friendly control systems.** In our experience, operators prefer using folders to press brakes for many applications because of this Point and also Point 1.
- 7. Cleaner and quieter to run than a pressbrake; also more eco friendly (no emissions).**