



Figure A. - Big Bang

Every once in a great while, something comes along that makes everything else pale in comparison.



Figure B. - Schechtl MAB & MAX with iFold control

Schechtl MAB & MAX with iFold™ Control



Schechtl folding machines are the most popular architectural sheet metal folders in the world. Schechtl near Munich, Germany has manufactured more than 50,000 sheet metal machines in its 100 year history. Here in North America Schechtl has by far the largest market share with an installed base exceeding 2500 machines.

What sets Schechtl apart:

Computer controls – the new iFold control is the most advanced ever offered. The new drag and draw technology which allows the operator literally to draw a finished part including the correct dimensions and angle on the screen with his finger blows away the competition.

OnLink™ live video servicing – right from the control screen is the first of its kind in the world. Developed in direct cooperation with Microsoft and Georgia Tech University it is the world's most advanced remote servicing system.

Industry leading 3 year parts warranty – Schechtl has always been known for legendary reliability and

now with the all new super reliable technology incorporated into the iFold system, we offer a full three year warranty on parts.

Best in productivity and versatility – Schechtl leads the industry in speed of production. And the small geometry of the tooling, clamping jaws and folding beam make it much easier to produce a wider variety of profiles than the competition. And unlike most of the competition Schechtl offers a huge variety of clamping jaw tooling.

Backed by MetalForming – MetalForming is the largest supplier of architectural sheet metal machines in North America. In fact MetalForming is the largest single supplier of folding machines in the world. Our technical staff of 12 people is the largest and most experienced in the industry. Also we maintain an inventory of more than \$3,500,000 in parts and machines to insure we have whatever you need for support.



iFOLD CONTROL:

The fastest, most accurate, easy-to-use folding machine in the world. The MAB & MAX have a three axis CNC system that positions the backgauge, the clamping beam, and the folding beam to move **simultaneously** which reduces overall part and production time. This is controlled by actuating a foot pedal. The control, by means of an interactive graphic screen in real time, prompts the operator when to maneuver a part; such as turn, flip or spin.

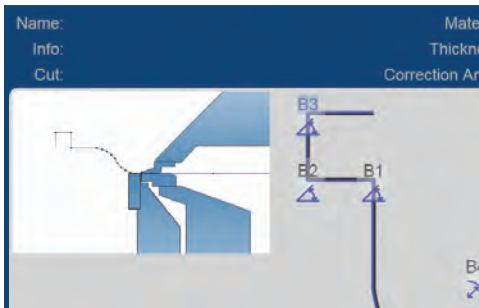
We offer a full 3 year warranty on all parts and a full 1 year warranty on parts and labor making the Schechtl the most dependable folder available.



Swipe technology, drag and draw, touch 2 create

Programming:

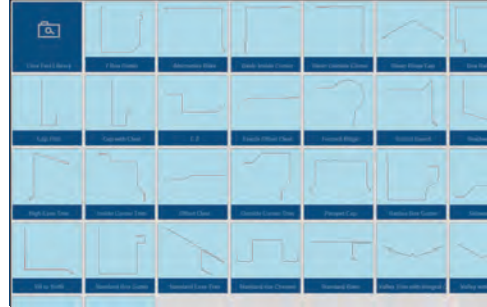
- Drag & Draw programming technology allows the operator to create a part simply by touching and dragging their finger on the 22" control monitor.
- By literally drawing a part "live" with actual dimensions and angles to scale, no other programming or adjustments are needed.
- Should changes be required from the drawing, clearly marked "hot" buttons guide the operator for sketching, dimensioning, and sequencing.
- Swipe technology controls the graphics and screen content instantly.



Picture in picture

- Picture-in-Picture (PIP) feature is displayed in the sequencing mode which shows the suggested bending sequence prior to part creation. By viewing the bending elements in action, a pre-collision check is made possible. Quick control keys allow virtual manipulation of the part; potentially displaying a more advantageous sequence.
- iFold Program Explorer function allows the operator to organize and store parts in a endless number of ways:

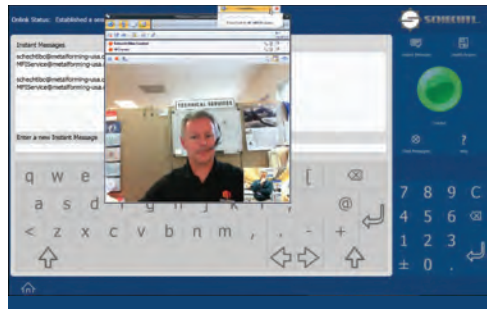
part number, job name, project name or number, etc. and with Windows hierarchy sub-folders are possible. We have also taken the liberty of creating a massive core part library filled with industry standard parts.



Profile explorer function

Computer:

- Next generation Microsoft.Net 3.5 framework makes the above programming possible and entire system more reliable than ever.
- Connectivity to MFI via web, land lines, WIFI, Bluetooth, or 3G. In addition to connection with MFI, the control can network to your office computers, or even connect multiple machines together onsite or remotely.
- Drives use solid state storage (no moving parts or spinning drives), with built in redundancy.
- Completely reliable "armored" tempered glass touch screen which is shatter and scratch resistant.
- MT Connect™ constantly sends health reports of the machine to MFI so we can report potential or upcoming issues before they appear. Through this groundbreaking technology hardware replacement cost have been reduced by more than 50%



OnLink Service System, live voice and video

ONLINK™



MetalForming's new OnLink Service System can communicate to you right from the control screen with live streaming voice and video. We've developed a new plug-in system for key electrical components so you can quickly and reliably replace them with us looking over your shoulder—without a plane ticket in hand. MetalForming is committed to providing the best, most cost effective post-sale service in the industry.

BACKGAUGE

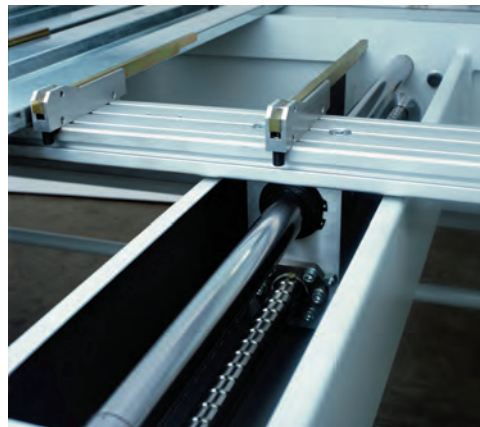
The backgauge boasts 12 hardened finger stops warranted for the life of the machine. This means no flimsy feather fingers to get damaged, therefore the operator can work at full speed.

The backgauge is driven by two 1.25" dual drive ball screws guided by two 1.50" Thompson rails, to insure the backgauge stays parallel. What this means is that the backgauge can take a pounding and remain parallel and accurate much longer than the plastic belts or single tiny ball screws of competitors.

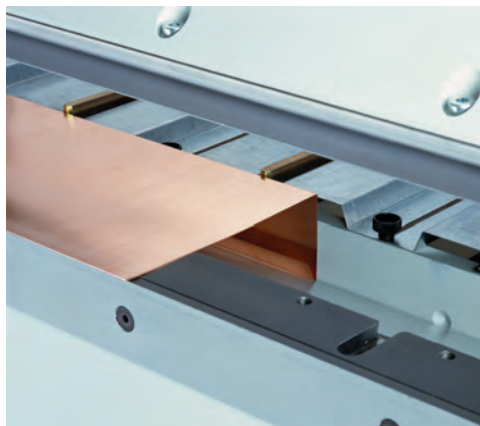
Not only is the backgauge the most rugged in the architectural sheet metal market, it is the most flexible with backgauge pans that slide front to back. This allows you to use the free space behind the clamping beam for making a gutter with a drip edge or complicated parts.



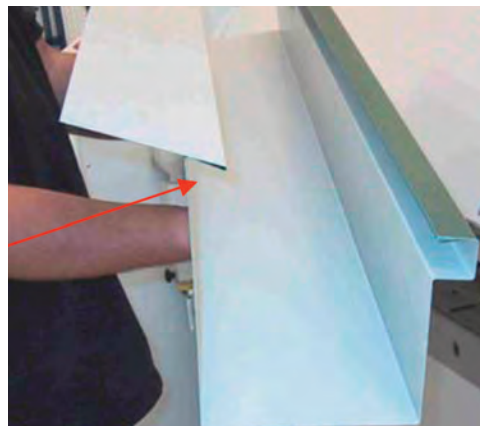
Hardened stop and backgauge pans



Gauge rail, Thompson rail and ball screw



Backgauge pans retracted



Gutter with drip edge

FOLDING BEAM

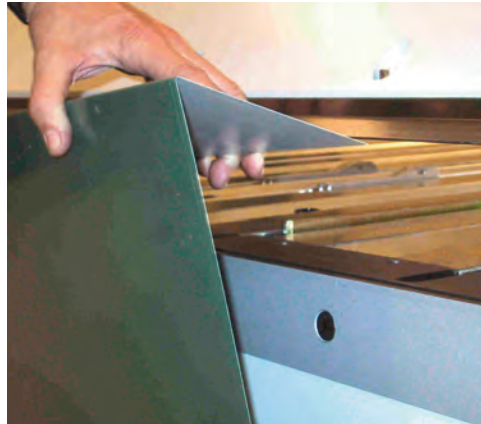
Laminated, reinforced, solid folding beam - by design is a much stiffer beam, which allows minimum deflection.

Flat folding beam in front of machine - when forming a part that is hitting the front of the folding beam, you need to have a flat beam. If the beam sticks out, you will need two men to push the part against the gauge while forming a 10' part. Also, if spring steel fingers are used, two men are needed to hold the part against the spring steel gauge fingers.

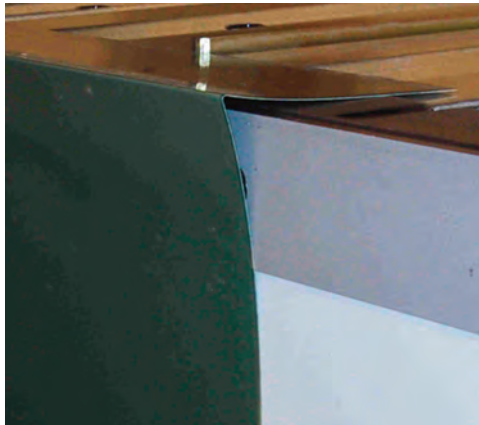
Small folding beam - The operator does not have to step in and out from the folding beam while forming (two-step-dance).



Flat folding beam at 150°, solid plates



Sharp angle



Sharp angle pushing hard against stops



MAB and MAX – 16" folding beam width



Hem and kick, 2.625" wide lower beam

Small lower beam width – 2.625" wide, enables you to gauge closer to bend line, while having a hem and a kick against the gauge (i.e. small copings)



Part ready for hemming



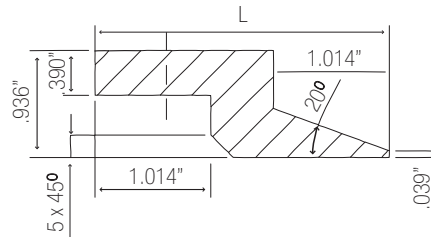
Corner post



Relief under upper beam

20 degree nose bar on upper beam - enables easier hemming without slipping out of upper beam when closing

Relief under upper beam - gives the ability to form special shapes without tool change (i.e. corner post or ridge cap)



Sharp nose bar – standard

Standard Tooling:

- One Sharp Nose Bar Tool 20°
- One Folding Beam Tool .390" 16 ga mild steel cap, offset maximum 1/2".
- One 10ft. Folding Beam Tool 1" wide for maximum thickness folding.
- Ability to add box and pan tooling at any time in the future

Backgauge Options (in lieu of standard 40"):

- Multiple sets of pop up stops motor and pneumatic drivers.
- 60"
- 80"
- 120"

TOOLING SYSTEMS:

Click on box and pan tooling system (bolt on style—add aftermarket set)

Support rail for click system upper beam model (only available on new machines ordered)

Sharp rail 20 degree R=1 mm clock system 3.72" x 1.365" x 122" (2 x 60.45") capacity max. 16 gauge 2 piece

Sharp rail 20° R=2 mm click system 3.72" x 1.365" x 122" (2 x 60.45") capacity max. 14 gauge 2 piece

Sharp rail 45° R=2 mm click system 3.72" x 1.365" x 122" (2 x 60.45") capacity max. 11 gauge 2 piece

Goats foot tooling system: 27 pieces, 4.2" tall x 122" long click system

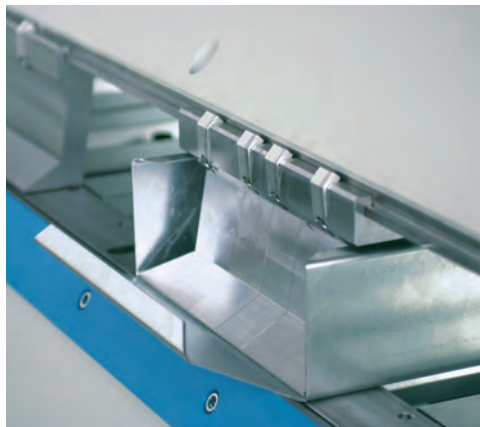
Click on style uses only your hand to attach tools, no need for pneumatic clamping or hand tools. Just push the clicker down, place tool on rail and release clicker, its that simple. Note: tooling can be added at any time.

Height = 4.2" with 1.5" return flange capability

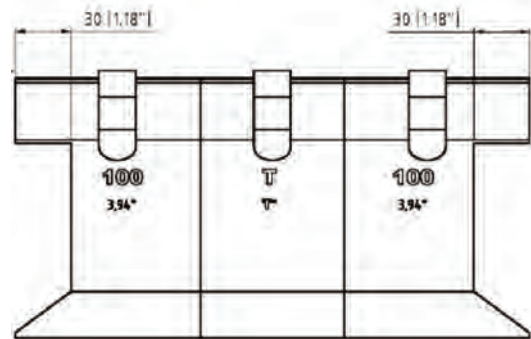
Capacity = 11ga CRS Total Length 122", consisting of segments: 2 Adapter Sets 1", 1.18", 1.38", 1.57", 1.77", 1.97", 1.97"

12 basic segments 7.87"

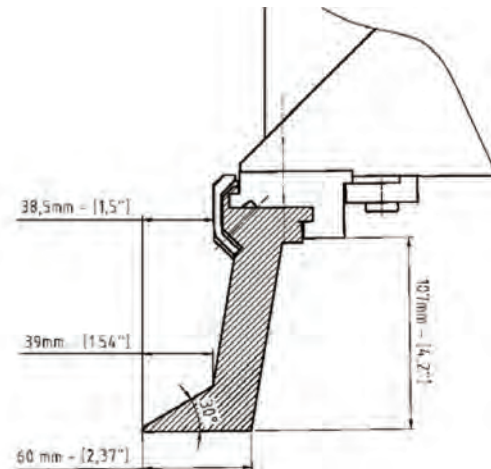
Corner segments, left and right, 3.94"



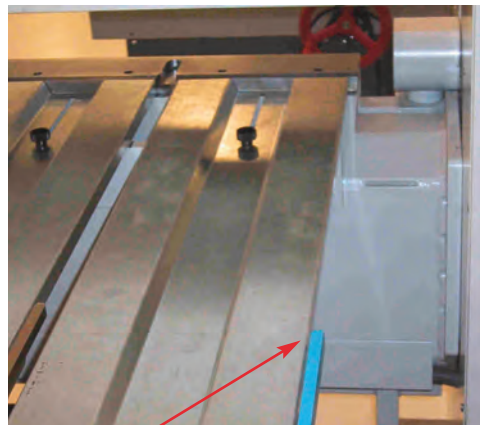
Click on tooling



Front view of corner tools



Side view of click tool



Taper gauge finger, left or right

CNC FOLDERS

MODEL	WORKING LENGTH	CAPACITY			DIMENSIONS			
	Inches	Steel Gauge	Aluminum	Stainless	Length Inches	Depth Inches	Height Inches	Weight
MAX 1500	60	11	.177"	.075"	92	70	55	3,150
MAX 2000	80	12	.156"	.060"	111	70	55	3,600
MAX 2500	100	14	.125"	.048"	131	70	55	4,100
MAX 3100	122	16	.080"	.040"	156	70	56	5,450
MAX 4000	159	20	.060"	.024"	179	70	55	8,000
MAB 1500	60	10	.200"	.088"	101	70	63	5,500
MAB 2000	80	11	.175"	.075"	117	70	63	6,100
MAB 2500	100	12	.156"	.060"	137	70	63	6,700
MAB 3100	122	14	.125"	.048"	156	70	63	7,400
MAB 4000	159	16	.080"	.040"	196	70	63	8,800
MAE 2000	80	9	.250"	.098"	117	70	67	8,240
MAE 2500	100	10	.200"	.088"	145	70	67	8,800
MAE 3100	122	11	.177"	.075"	156	70	67	9,230
MAE 4000	159	14	.125"	.060"	196	70	67	10,900
MAZ 3100	122	12	.156"	.060"	160	70	69	9,240
MAZ 4000	159	14	.125"	.060"	196	70	67	10,500

SHEARS

MODEL	WORKING LENGTH	CAPACITY			MOTOR		DIMENSIONS				
	Inches	Steel Gauge	Aluminum Inches	Stainless	Cuts Per Minute	Rated Power	Length Inches	Depth Inches*	Working Height	Total Height	Weight
SMT 1500	60	12	.156"	.060"	35	4hp	74	70	33.5	56.5	1,895
SMT 2000	80	12	.156"	.060"	35	4hp	94	70	33.5	56.5	2,425
SMT 2500	100	14	.125"	.048"	35	4hp	113	70	33.5	56.5	2,650
SMT 3100	122	16	.090"	.040"	35	4hp	137	70	33.5	56.5	2,920
MSB 1500	60	10	.217"	.090"	35	4hp	74	70	33.5	56.5	2,220
MSB 2000	80	11	.177"	.075"	35	4hp	94	70	33.5	56.5	2,515
MSB 2500	100	12	.156"	.060"	35	4hp	113	70	33.5	56.5	2,810
MSB 3100	122	14	.125"	.048"	35	4hp	137	70	33.5	56.5	3,160
MSC 2000	80	9	.250"	.100"	27	5hp	96	91	36	59.5	5,130
MSC 2500	100	10	.216"	.088"	27	5hp	115	91	36	59.5	5,440
MSC 3100	122	11	.177"	.075"	27	5hp	140	91	36	59.5	6,155
MSC 4000	159	14	.159"	.060"	27	5hp	174	91	36	59.5	7,160
MSC 4500	177	16	.100"	.040"	27	5hp	189	64	36	59.5	8,565

ALSO FROM METALFORMING



Jorns Long Folder



Jorns Eco Twinmatic



Schechtl SMT Shear



Schechtl UKV Hand Brake



Schlebach Quadro Cinco



Schlebach RBM



Schlebach Slasher

JORNS

Jorns AG of Switzerland is the pre-eminent manufacturer of long folders, automated up/down folders, and cutting systems in the world. One look at the features, ergonomics, and construction of a Jorns machine will convince you there are no better folding and cutting machines available. With 3 Axis and 7 Axis folders from 3.2M 1.25mm to 10M 3.00mm capacity range, there is a model suited for your needs. The MSC slitting/cut-to-length/recoiling coil processing line is a perfect complement to the processing needs required for long folders.

And the Eco-Twinmatic is the ultimate tool for automatic up and down bending. The upper and lower folding beams work together to provide multidirectional bending, so you never again have to rotate a part end to end.

SCHECHTL

Schechtl produces CNC bending machines from 10' 16 ga to 13' 11 ga, electro-mechanical shears, and a vast range of manual brakes, Schechtl's global reputation for quality and longevity is unmatched. With the iFold computer control featuring "Drag and Draw" technology for all CNC folders, Schechtl offers the most advanced, user-friendly interface available today.

SCHLEBACH

Offering a wide variety of sheet metal processing equipment and metal rollforming machinery from the renowned German tooling company Bartolosh GmbH. Product offerings include the world's most innovative rollformer; the Quadro and Quadro CINCO and a complimenting finished panel curving solution; the RBM Radius Bending Machine. Add the Slasher GS; the most economical slitting & cut-to-length line available and you truly have a one-counter solution for the roofing professional.