



Alatnica Barović u Obrenovcu, fabrika za proizvodnju više tipova mašina za obradu plastičnom deformacijom (sečenje, profilisanje, kružno savijanje, ugaono savijanje) crnog i obojenog lima, osnovana je 1996. godine kao Samostalna Zanatska Radnja sa samo 3 zaposlena radnika, da bi krajem 2004. godine zbog povećanja prometa i potražnje sa svojim proizvodima prerasla u Društvo za proizvodnju, promet i usluge sa 70 stalno zaposlenih radnika sa stalnom tendencijom proširenja proizvodnog programa i broja zaposlenih.

Dugogodišnja proizvodnja mašina i stečeno iskustvo u procesu proizvodnje su velika garancija funkcionalnosti i kvaliteta proizvedenih mašina. Mašine se rade u raznim izvedbama i to: mehanički, pneumatski i hidraulični pogon sa pouzdanom konstrukcijom. Naša tehnička rešenja na mašinama su takva da garantuju visoku pouzdanost u radu i kvalitetu izrađenih elemenata, što najbolje potvrđuje preko 1.000 zadovoljnih kupaca širom Srbije, Crne Gore, Republike Srpske, BiH, Makedonije, Slovačke, Rumunije, Grčke...

Kvalitet proizvoda je fundamentalan za dugoročan uspeh organizacije. Dok mnoge finansijske institucije nisu pridavale mnogo značaja razvoju proizvoda u prošlosti, porast konkurentnih pritisaka (inostranih) je fokusirao pažnju na proizvode i usluge kao sredstva kreiranja i održavanja konkurentne prednosti što je na neki način imalo i pozitivnog značaja na naš razvoj. Značaj razvoja novog proizvoda i čitavog asortimana koji naša fabrika proizvodi za kontinuiranu konkurentnost je trebalo dobro razmotriti i upravljati kako bi ostvarili najbolju prednost. Ovo uključuje konstantno procenjivanje proizvoda kako bi se videlo da li su potrebne modifikacije ili repozicioniranje ili čak povlačenje. Modifikacije se vrše da bi se poboljšale performanse proizvoda gde se menjaju zahtevi potrošača ili akcije konkurenata. Može se menjati sam proizvod, njegova isporuka ili pristup proizvodu. Svake godine naša fabrika ima novi proizvod koji se mesecima temeljno uvodi u proces proizvodnje uz dosta stručno organizovan tim koji nadgleda i prati proizvodnju. U poslednjih godinu dana naša fabrika je 75 % radila za inostrano tržište tj. izvozila naše proizvode i samim tim uspela prvenstveno svojim kvalitetom, kapacitetom i mnogim drugim kvalitetima da prikaže svoje sposobnosti u prodaji mašina.

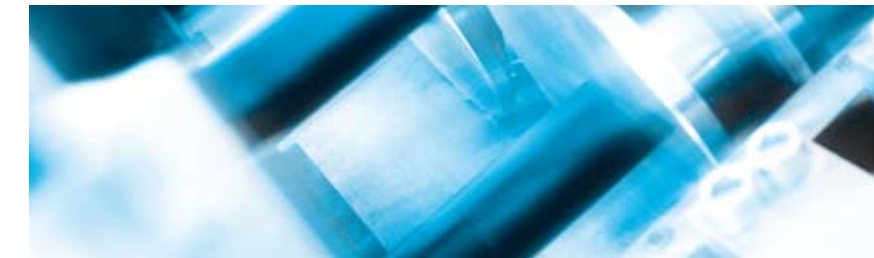
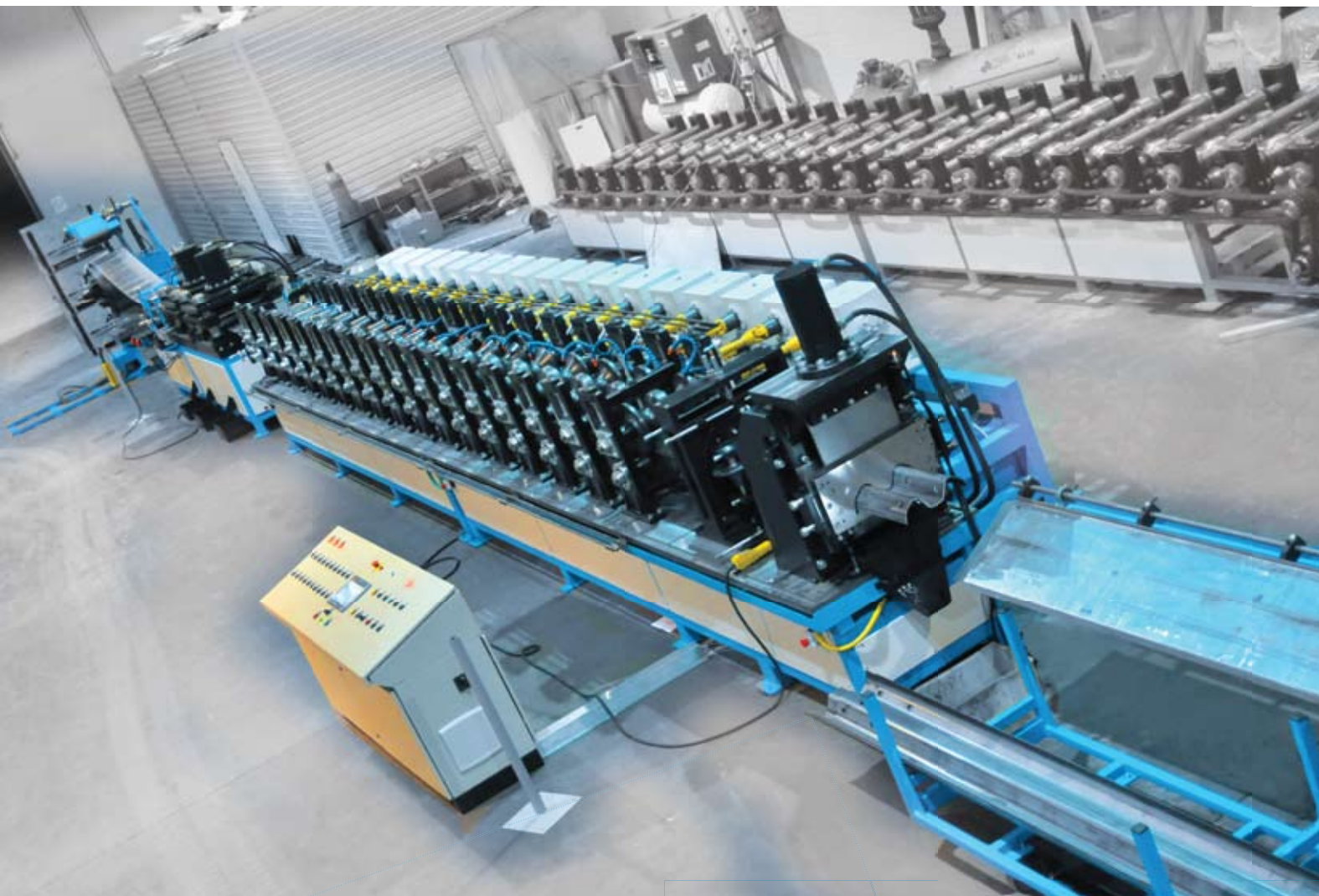
Poštujući tradiciju zanatstva koja je duboko ukorenjena u tradiciju naše porodice, i uvažavajući savremene tokove i standarde u privredi i ekonomiji, stvorili smo preduzeće koje je u mogućnosti da u svakom trenutku odgovori zahtevima svoje delatnosti.

Company „Alatnica Barovic“, located in Obrenovac, near Belgrade manufactures several types of machines for processing black and color plated sheet metals by plastic deformation (cutting, shaping, round bending, corner bending). It was founded in 1996 year as a workshop with only 3 employees. Due to increased turnover and demand servicing with 70 full time employees which maintain tendency of manufacturing program permanent development and growing number of employees.

Production of machines over the period of years and gained experience in manufacturing process are the best warranty of our machines functionality and quality. Our machines of reliable design are being made with the following drives: mechanical, semi-electrical, electrical, pneumatic and hydraulic. Our technical solutions applied to the machines are such kind than 1.000 content customers throughout Serbia, Montenegro, BiH, Macedonia, Slovakia, Romania, Greek...

Product quality is fundament for long term success of a company. Whilst many financial institutions have not been paying heed in the past to product development, increased pressure that came from competitors (foreign ones) brought into the past to products and services as means of creating and maintaining competing advantages. This fact significantly affected the course of development. It was necessary to contemplate importance of new product and manufacturing program to achieve advantages and remain continuously competitive. This includes (comprises) constant process of product evaluation provide information on necessary modifications or repositioning, or even changed, or when changed course of action undertaken by competitors asks for it. Modifications may pertain to the product itself, its delivery or access to the product. Every year our factory launches new product after months of industrious introduction into manufacturing process by highly skillen and oganized team which conducts and oversees production. During the past year 75% of our output was exported to foreign markets, this confirming our quality and capacity capabilities and potentials in machine trading.

With the due respect to traditional handcraftsmanship which has deep roots in our family, we adopted contemporary course and standards in industry and economy and created the company capable to respond at any moment to the branch demands.



LINIJA ZA PROFILISANJE BRANIKA SA KARDANSKIM PRENOSOM

Linija se sastoji od odmotalice, ravnalice, prese za probijanje otvora, mašine za profilisanje sa centralnim podmazivanjem, hidrauličnih makaza, prihvatnog stola i kontrolnog pulta.

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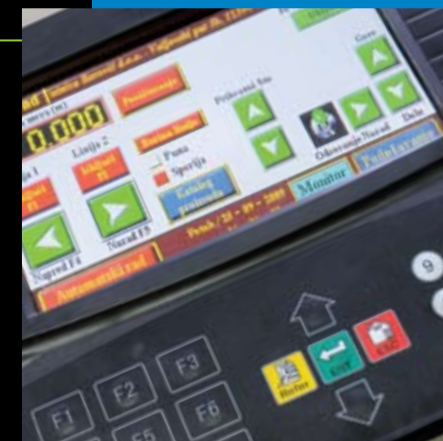
- Kapacitet odmotalice: 6.000kg;
- Max radna širina: 550mm;
- Unutrašnji prečnik rolne: 480-650mm;
- Pogonska snaga linije: 58 kW;
- Brzina profilisanja: ~20 m/min;
- Tolerancija dužine: ± 1 mm.
- Debljina lima: 3mm;
- Broj stanica: 17;
- Prečnik osovina: 70mm
- Materijal osovina: 42CrMo4 28 HRC;
- Materijal noževa: X210Cr12 58-60 HRC;
- Materijal alata za profilisanje: 42CrMo4 nitriran na 64HRC;
- Vrsta prenosa: kardanski prenos;
- Vrsta odsecanja: hidraulične makaze;
- Kontrola procesa: PLC SCHNEIDER ELECTRIC, SIEMENS.

ROLLFORMING LINE WITH CARDAN SYSTEMS FOR PROFILE PROTECTION HIGHWAY

The line is consist from decoiler, straightening machine, punching for holes, rollforming machine with colding-emulsion section, hydraulic shear, drop table and operation control panel.

Technical parameters:

- Capacity of decoiler: 6.000kg;
- Max sheet width: 550mm;
- Internal diameter of roll: 480-650mm;
- Power input of line: 58 kW;
- Speed: ~ 20 m/min;
- Longitudal cutoff tolerance: ± 1 mm;
- Sheet thickness: 3 mm;
- Number of stations: 17;
- Diametar of working shafts: 70mm;
- Material of working shafts: 42CrMo4 28 HRC;
- Material of blades: X210Cr12 58-60 HRC;
- Material of tools: 42CrMo4 nitriding 64HRC;
- Power transmission: cardan system;
- Type of cutting: hydraulic shear;
- Operation Control Panel: PLC SCHNEIDER ELECTRIC, SIEMENS.



LINIJA ZA PROFILISANJE SA KARDANSKIM PRENOSOM

Linija se sastoji od odmotalice, ravnalice, prese za probijanje otvora, mašine za profilisanje sa centralnim podmazivanjem, hidrauličnih makaza, prihvatnog stola i kontrolnog pulta.

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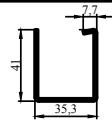
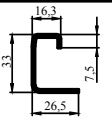
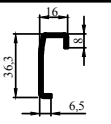
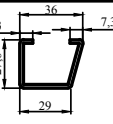
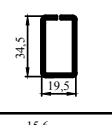
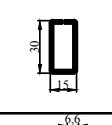
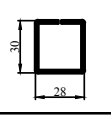
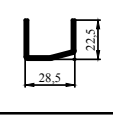
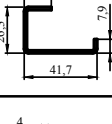
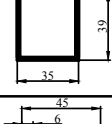
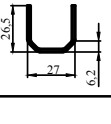
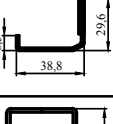
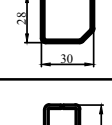
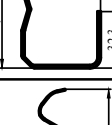
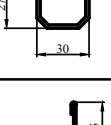
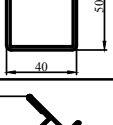
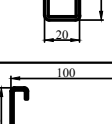
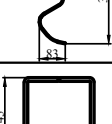
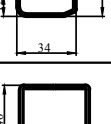
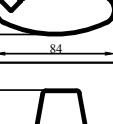
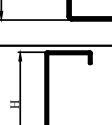
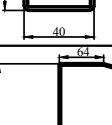
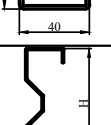
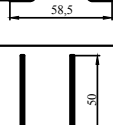
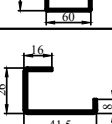
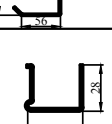
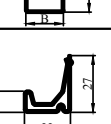
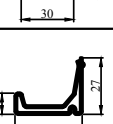
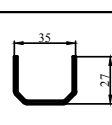
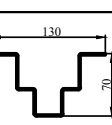
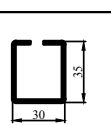
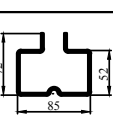
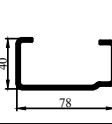
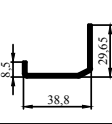
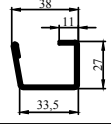
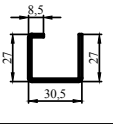
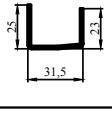
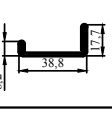
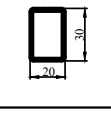
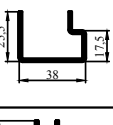
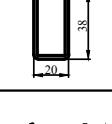
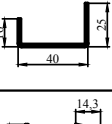
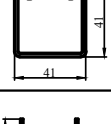
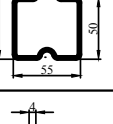
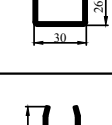
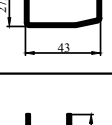
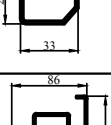
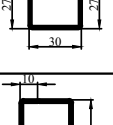
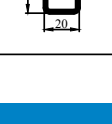
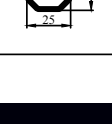
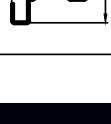
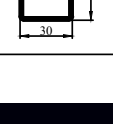
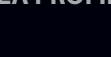
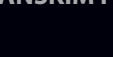
- Kapacitet odmotalice: 2.000 – 4.000kg;
- Max radna širina: 500mm;
- Unutrašnji prečnik rolne: 480-620mm;
- Pogonska snaga linije: 10,5-37,5kw;
- Brzina profilisanja: 10,5-37,5m/min;
- Tolerancija dužine: ± 1 mm.
- Debljina lima: 0,5-3mm;
- Broj stanica: 10-20;
- Prečnik osovina: 50-70mm
- Materijal osovina: 42CrMo4 28 HRC;
- Materijal noževa: X210Cr12 58-60 HRC;
- Materijal alata za profilisanje: 42CrMo4 nitiran na 64HRC;
- Vrsta prenosa: kardanski prenos;
- Vrsta odsecanja: hidraulične makaze;
- Kontrola procesa: PLC SCHNEIDER ELECTRIC, SIEMENS.

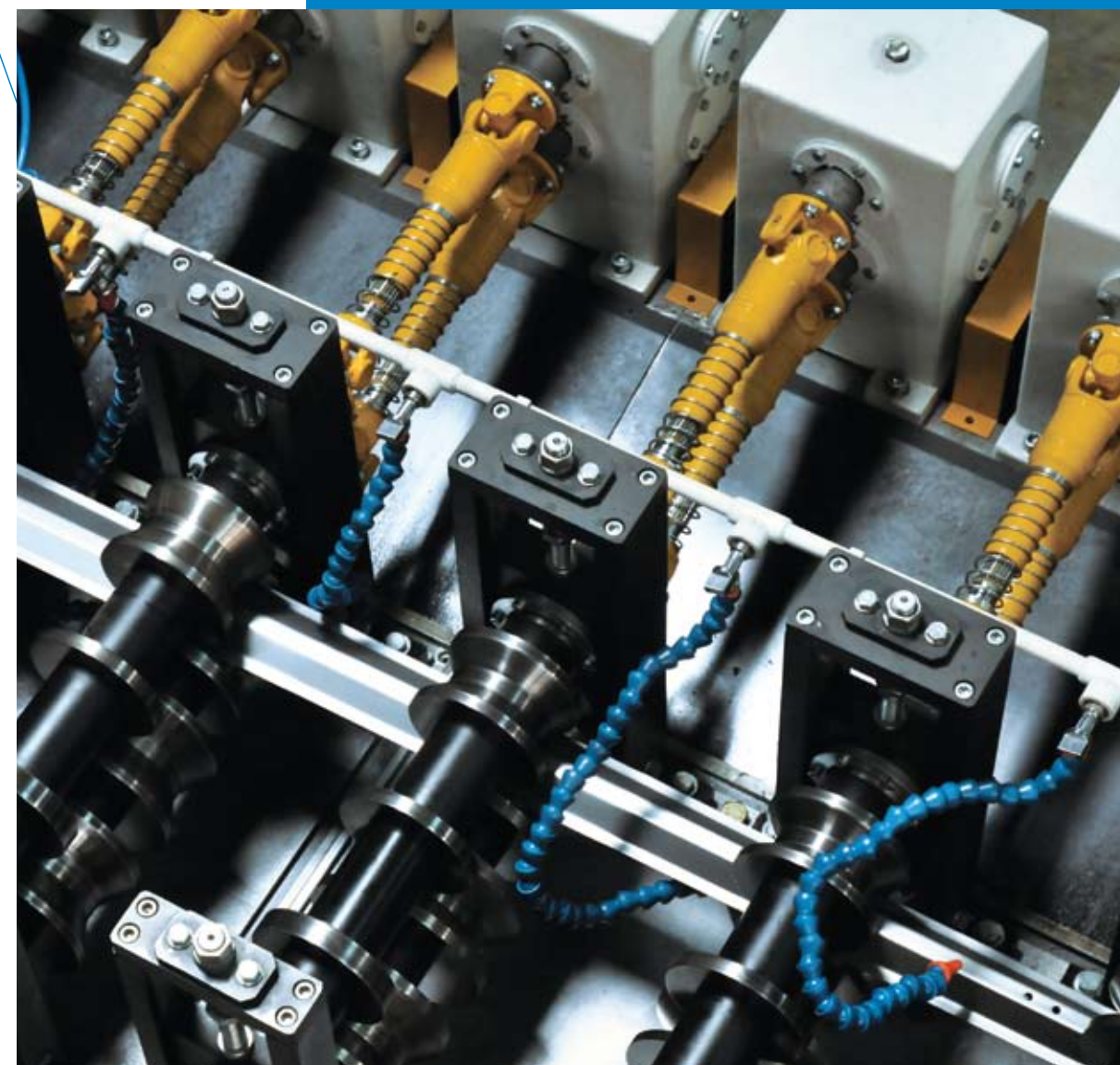
ROLLFORMING LINE FOR PROFILES WITH CARDAN SYSTEMS

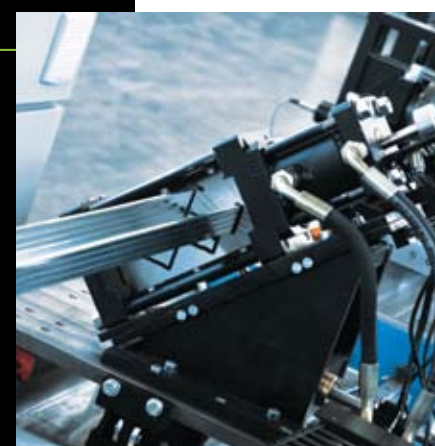
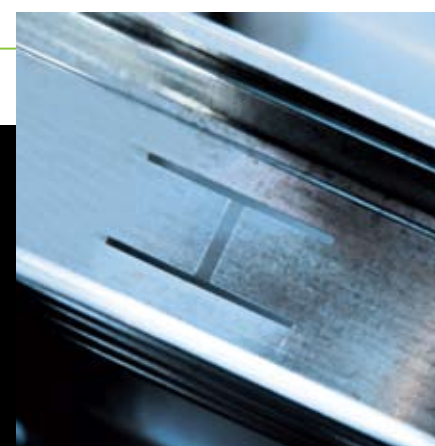
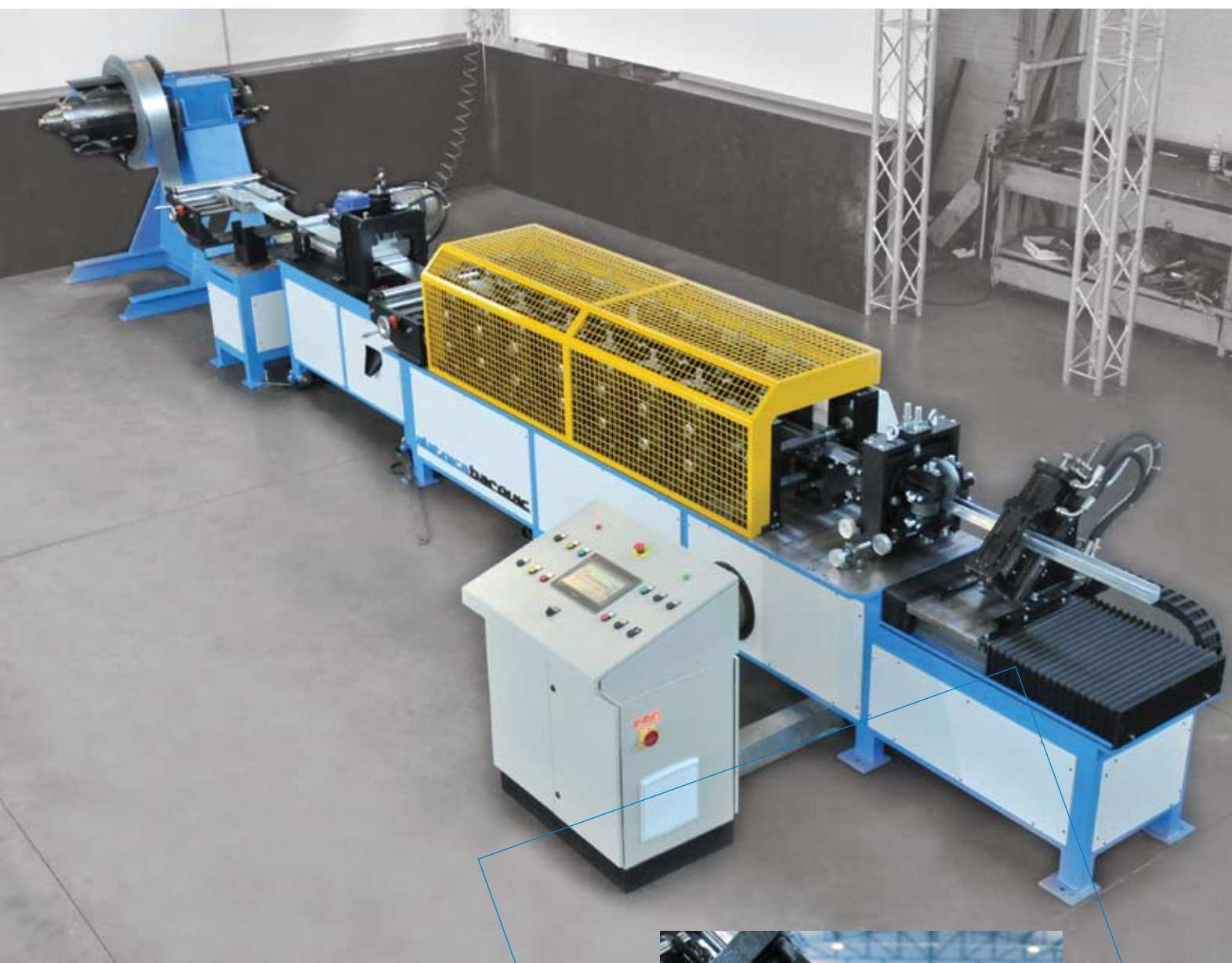
The line is consist from decoiler, straightening machine, punching for holes, rollforming machine with colding-emulsion section, hydraulic shear, drop table and operation control panel.

Technical parameters:

- Capacity of decoiler: 2.000-4.000kg;
- Max sheet width: 500mm;
- Internal diameter of roll: 480-620mm;
- Power input of line: 10,5-37,5KW;
- Speed: 10-50 m/min;
- Longitudal cutoff tolerance: ± 1 mm;
- Sheet thickness: 0,5-3mm;
- Number of stations: 10-20;
- Diametar of working shafts: 50-70mm;
- Material of working shafts: 42CrMo4 28 HRC;
- Material of blades: X210Cr12 58-60 HRC;
- Material of tools: 42CrMo4 nitriding 64HRC;
- Power transmission: cardan system;
- Type of cutting: hydraulic shear;
- Operation Control Panel: PLC SCHNEIDER ELECTRIC, SIEMENS.

U-35,3x41	s=1,5mm		U-33x26,5	s=1,5mm		U-36,3x16	s=1,5mm		O-36x27,6	s=2mm	
O-19,5x34,5	s=1,5mm		O-15x30	s=1,5mm		O-28x30	s=1,5mm		U-28,3x22,5	s=1,5mm	
U-41,7x26,3	s=1,5mm		U-35x39	s=1,5mm		U-27x26,5	s=1,5mm		U-38,8x29,6-2	s=1,5mm	
U-30x28	s=1,5mm		U-45x47,9	s=1,2mm		HOP-30x27	s=1,5mm s=2mm		HOP-40x50	s=2mm	
HOP-20x35	s=2mm		B 320x83	s=3mm		U-34x34,5	s=1,5mm		F 84	s=0,7mm	
SV-100x70	s=2mm		HOP-40x45	s=2mm		HOP-40x40	s=2mm		H-32,2	s=0,8mm	
Tip C	s=1,5-2,5mm H=140-210mm		Tip Z	s=1,5-2,5mm H=140-210mm		Tip ••	s=1,5-2,5mm H=175-255mm B=60-70mm		U-30x50	s=1,5mm	
U-41,5x26	s=1,2mm		U-30x28	s=1,5mm		MEC 20	s=0,8mm		MEC 30	s=0,8mm	
U-35x27	s=1,5mm s=2mm		P-30	s=1,5mm		O-30x35	s=1,5mm		S-85x72/52	s=2mm	
Tip C-40	s=1,5mm s=2mm		U-38,8x29,65	s=1,5mm		U-38/33,5x27	s=1,2mm s=1,5mm		U-30,5x27	s=1,5mm	
U-31,5x25/23	s=1,2mm s=1,5mm		U-38,8x17,7	s=1,5mm		O-20x30	s=1,5mm		U-38x25,5	s=1,25mm s=1,5mm	
O-20x38	s=1,5mm s=2mm		U-40x25/16	s=1,5mm		C-41x41	s=2mm s=2,5mm		S-55x69/50	s=2mm	
U-30x26,5	s=1,5mm		U-43x27,5	s=1,2mm s=1,5mm		U-33x29	s=1,5mm		U-30x27x4	s=1,2mm	
U-20x30/5	s=1,5mm		U-25x24	s=1,5mm		SV-86x84	s=2mm		O-30x38	s=1,2mm s=1,5mm	





LINIJA ZA IZRADU UD,CD,UW,CW PROFILA,PVC OJAČANJA....

Linija se sastoji od odmotalice, mašine za profilisanje, makaza ili testere za odsecanje, prihvatnog stola i kontrolnog pulta.

Tehnički parametri:

- Kapacitet odmotalice: 2.000kg;
- Max radna širina: 300mm;
- Unutrašnji prečnik rolne: 480-750 mm;
- Pogonska snaga linije: 8,5 -10,5kw
- Brzina profilisanja: 20m/min;
- Tolerancija dužine: ± 1 mm;
- Debljina lima: 0,3-2mm;
- Broj stanica: 6-20;
- Prečnik osovina: 45-55mm;
- Materijal alata: 42CrMo4 nitriran na 64HRC;
- Materijal osovina: 42CrMo4 28 HRC;
- Materijal noževa: X210Cr12 58-60 HRC;
- Vrsta prenosa: lančani prenos;
- Vrsta odsecanja: hidraulične makaze ili kružna testera;
- Kontrola procesa: **PLC SCHNEIDER ELECTIIC, SIEMENS.**

ROLLFORMING LINE FOR UD,CD,UW,CW PROFILES,REINFORCING METAL PROFILES.....

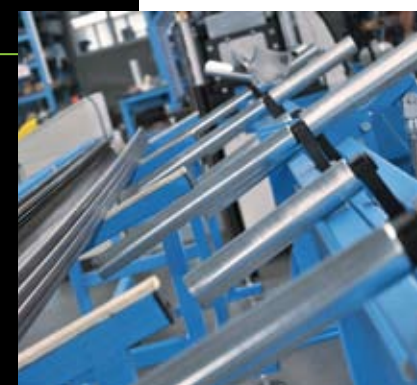
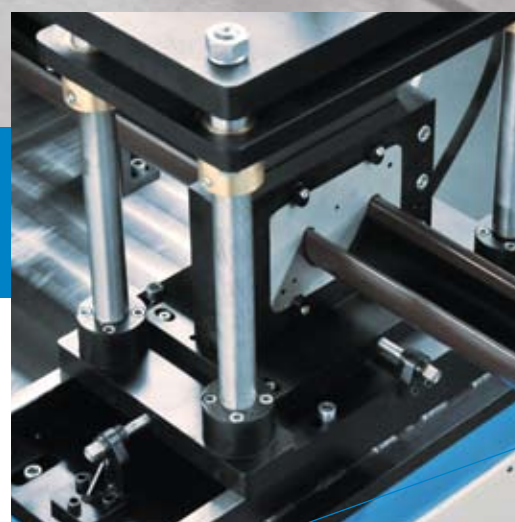
The line is consist from decoiler,rollforming machine, cutting shear or saw,drop table and operation control panel.

Technical parameters:

- Capacity of decoiler: 2.000 kg;
- Max sheet width: 300 mm;
- Internal diameter of roll: 480-750 mm;
- Power input of line: 8,5-10,5 KW;
- Speed: 20 m/min;
- Longitudal cutoff tolerance: ± 1 mm;
- Sheet thickness: 0,3-2 mm;
- Number of stations: 6-20;
- Diametar of working shafts:45-55mm;
- Material of tools: 42CrMo4 nitriding 64HRC;
- Material of working shafts: 42CrMo4 28 HRC;
- Material of blades: X210Cr12 58-60 HRC;
- Power transmission: chains system;
- Type of cutting: hydraulic shear or circular saw;
- Operation Control Panel: **PLC SCHNEIDER ELECTIIC, SIEMENS .**

UD28	s=0,6mm		CD60	s=0,6mm		CD48	s=0,6mm		CW50	s=0,6mm	
CW75	s=0,6mm		CW100	s=0,6mm		UW50	s=0,6mm		UW75	s=0,6mm	
UW100	s=0,6mm		UC5035	s=0,55mm		L2323	s=0,25mm		L2313	s=0,25mm	
U-30x27,5	s=1,5mm		U-30x25	s=1,5mm		U-33x25	s=1,5mm		U-19x38	s=1,5mm	
U-35x45/48	s=2mm		U-38x47	s=2mm		U-38x45	s=2mm		U-36x50	s=2mm	
U-38x45	s=1,2mm		U-19x37	s=1,2mm		U-25,5x30	s=1,2mm		U-21x32,5	s=1,2mm	
U-26x40	s=1,2mm		U-28x26,5	s=1,2mm		U-28x28	s=1,2mm		U-29x26	s=1,5mm	
U-29,5x47,5	s=1,5mm		U-30x22	s=1,2mm		U-30x26	s=1,2mm s=1,5mm		U-30x28,5	s=2mm	
U-30x7/28	s=1,2mm		U-31x28	s=1,5mm		U-32x15/22	s=1,5mm		U-32x27	s=1,5mm	
U-32,5x40	s=2mm		U-30x30	s=1,2mm s=1,5mm		U-30x25	s=1,5mm		U-32x14/30	s=2mm	
U-59x31	s=1,2mm		U-50x30	s=2mm		U-32,5x42	s=1,2mm		U-32,5x40	s=2mm	
U-33x50	s=1,5mm		U-30x21	s=1,2mm s=1,5mm		U-34x27	s=1,2mm		U-35x28	s=1,2mm	
U-35x50	s=1,8mm		U-36x44,5	s=1,5mm		U-38x16/25	s=1,5mm		U-40x13/22	s=1,2mm	
U-36x12/27	s=1,2mm		U-36x18/26	s=1,5mm		U-40x15/28	s=1,2mm s=1,5mm		U-35x32	s=1,2mm	





LINIJA ZA IZRADU OLUKA

Linija se sastoji od odmotalice, mašine za profilisanje, makaza ili testere za odsecanje, prihvatnog stola i kontrolnog pulta.

Tehnički parametri:

- Kapacitet odmotalice: 2.000kg;
- Max radna širina: 400mm;
- Unutrašnji prečnik rolne: 480-630mm;
- Pogonska snaga linije: 9,5 kw
- Brzina profilisanja: 20m/min;
- Tolerancija dužine: ± 1 mm.
- Debljina lima: 0,4-0,7mm;
- Broj stanica: 11;
- Prečnik osovina: 50mm;
- Materijal alata: 42CrMo4 nitiran na 64HRC;
- Materijal osovina: 42CrMo4 28 HRC;
- Materijal noževa: X210Cr12 58-60 HRC;
- Vrsta prenosa: lančani prenos;
- Vrsta odsecanja: hidraulične makaze ili kružna testera;
- Kontrola procesa: PLC SCHNEIDER ELECTRIC, SIEMENS.

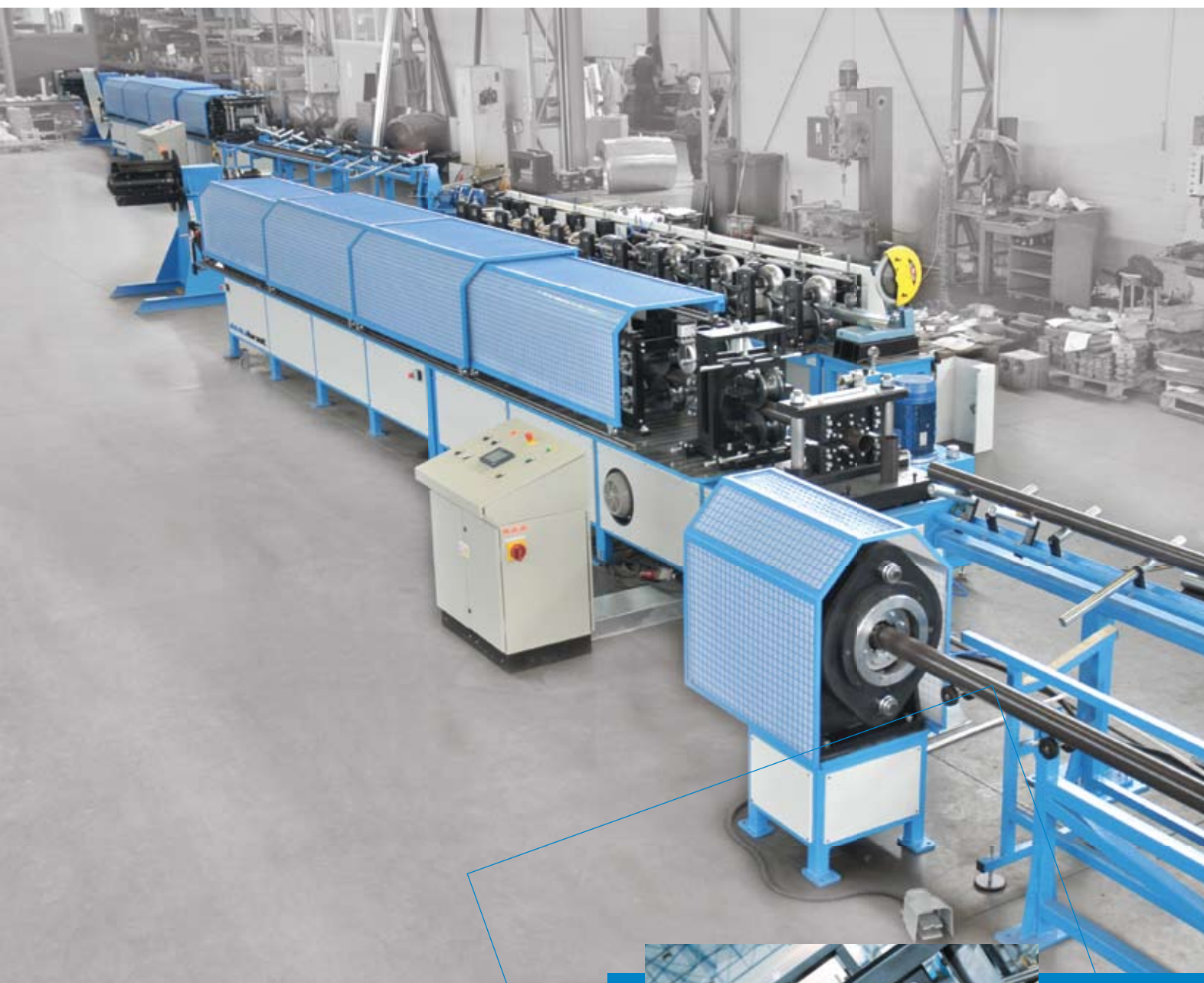
GUTTER LINE

The line is consist from decoiler,rollforming machine, cutting shear or saw,drop table and operation control panel.

Technical parameters:

- Capacity of decoiler: 2.000kg;
- Max sheet width: 400mm;
- Internal diameter of roll: 480-630mm;
- Power input of line: 9,5KW;
- Speed: 20 m/min;
- Longitudal cutoff tolerance: ± 1 mm;
- Sheet thickness: 0,4-0,7mm;
- Number of stations: 11;
- Diametar of working shafts: 50mm;
- Material of tools: 42CrMo4 nitriding 64HRC;
- Material of working shafts: 42CrMo4 28 HRC;
- Material of blades: X210Cr12 58-60 HRC;
- Power transmission: chains system;
- Type of cutting: hydraulic shear or circular saw;
- Operation Control Panel: PLC SCHNEIDER ELECTRIC, SIEMENS.

H25	s=0,4-0,55mm (celicni pocinkovani,plastificirani) s=0,5-0,7mm (Al neobojeni i obojeni) s=0,55mm (Cu)		O 110x91	s=0,4-0,55mm (celicni pocinkovani,plastificirani) s=0,5-0,7mm (Al neobojeni i obojeni) s=0,55mm (Cu)	
H33	s=0,4-0,55mm (celicni pocinkovani,plastificirani) s=0,5-0,7mm (Al neobojeni i obojeni) s=0,55mm (Cu)		H40	s=0,4-0,55mm (celicni pocinkovani,plastificirani) s=0,5-0,7mm (Al neobojeni i obojeni) s=0,55mm (Cu)	



LINIJA ZA SLIVNIK

Linija se sastoji od odmotalice, mašine za profilisanje sa centralnim podmazivanjem, hidrauličnih makaza, prihvatnog stola i kontrolnog pulta. Tehnički parametri:

- Kapacitet odmotalice: 2.000kg;
- Max radna širina: 400mm;
- Unutrašnji prečnik rolne: 480-630mm;
- Pogonska snaga linije: 13kW;
- Brzina profilisanja: 20m/min;
- Tolerancija dužine: ± 1 mm.
- Debljina lima: 0,4-0,7mm;
- Broj stanica: 15;
- Prečnik osovina: 50mm
- Materijal osovina: 42CrMo4 28 HRC;
- Materijal noževa: X210Cr12 58-60 HRC;
- Materijal alata za profilisanje: 42CrMo4 nitriran na 64HRC;
- Vrsta prenosa: lančani prenos;
- Vrsta odsecanja: hidraulične makaze ili testera;
- Kontrola procesa: **PLC SCHNEIDER ELECTRIC, SIEMENS.**

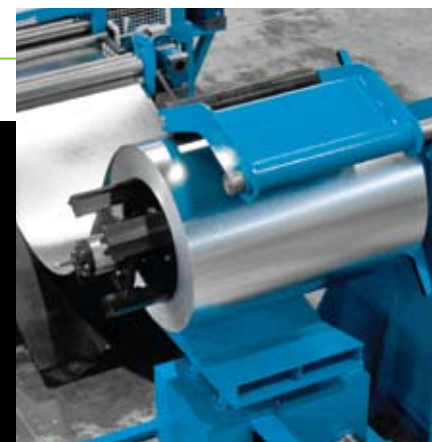
DOWNPIPE LINE

The line is consist from decoiler, rollforming machine with colding-emulsion section, hydraulic shear, drop table and operation control panel.

Technical parameters:

- Capacity of decoiler: 2.000kg;
- Max sheet width: 400mm;
- Internal diameter of roll: 480-630mm;
- Power input of line: 13kW;
- Speed: 20 m/min;
- Longitudinal cutoff tolerance: ± 1 mm;
- Sheet thickness: 0,4-0,7 mm;
- Number of stations: 15;
- Diametar of working shafts: 50mm;
- Material of working shafts: 42CrMo4 28 HRC;
- Material of blades: X210Cr12 58-60 HRC;
- Material of tools: 42CrMo4 nitriding 64HRC;
- Power transmission: chains system;
- Type of cutting: hydraulic shear or circular saw ;
- Operation Control Panel: **PLC SCHNEIDER ELECTRIC, SIEMENS.**

V 7	s=0,4-0,55mm (celicni pocinkovani,plastificirani) s=0,5-0,7mm (Al neobojeni i obojeni) s=0,55mm (Cu)		O 92x65	s=0,4-0,55mm (celicni pocinkovani,plastificirani) s=0,5-0,7mm (Al neobojeni i obojeni) s=0,55mm (Cu)	
V 9	s=0,4-0,55mm (celicni pocinkovani,plastificirani) s=0,5-0,7mm (Al neobojeni i obojeni) s=0,55mm (Cu)		V 10 V 12	s=0,4-0,55mm (celicni pocinkovani,plastificirani) s=0,5-0,7mm (Al neobojeni i obojeni) s=0,55mm (Cu)	



LINIJA ZA RAVNANJE I SEČENJE LIMOVA DEBLJINE 0,3- 6 mm

Linija se sastoji od odmotalice sa hidrauličnim kolicima, mašine za ravnanje lima, makaza za odsecanje lima, prihvatnog stola i kontrolnog pulta.

Tehnički parametri:

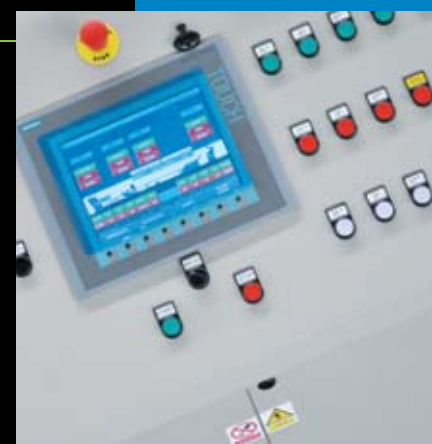
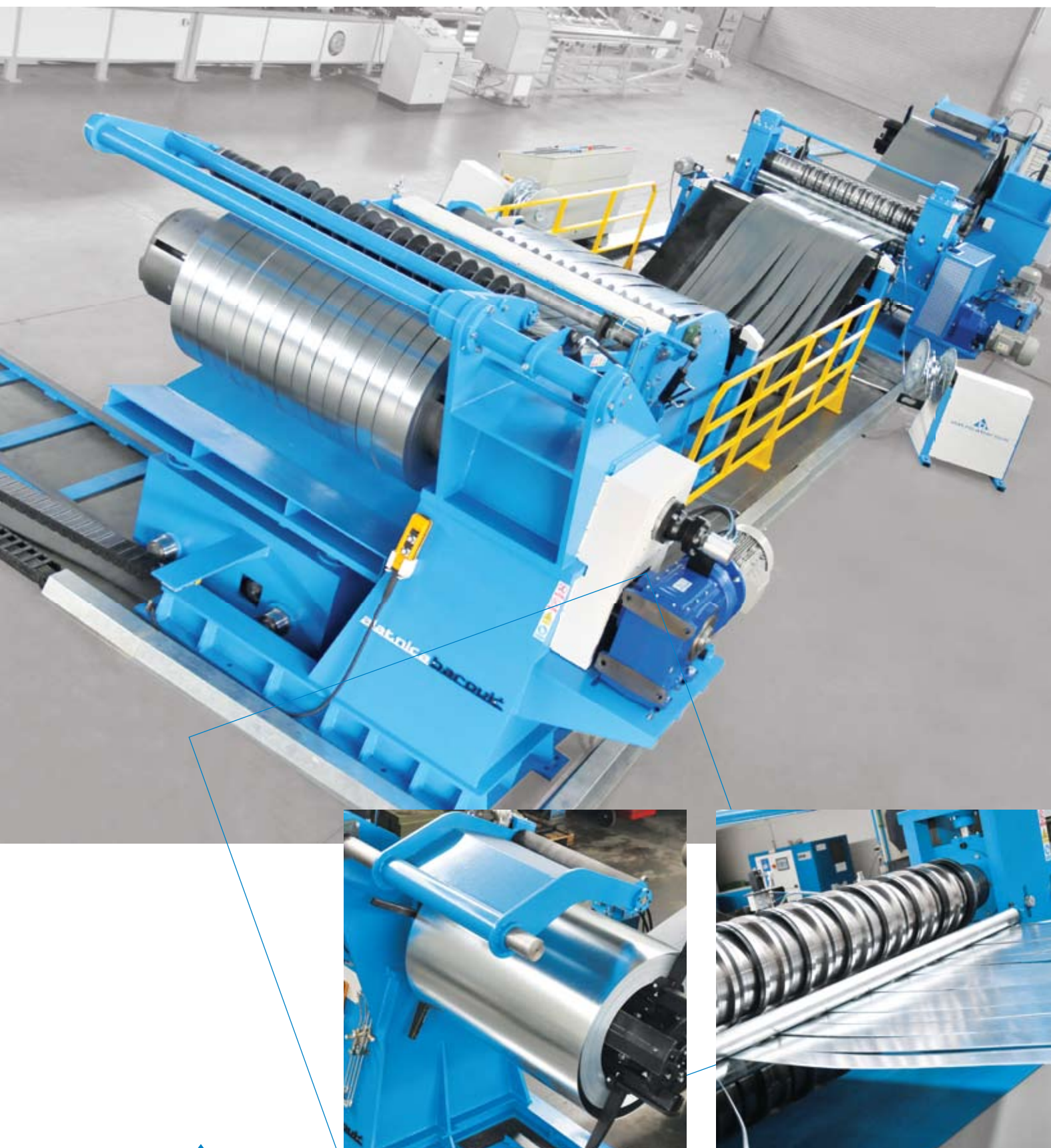
- Kapacitet odmotalice i hidrauličnih kolica: 10.000 – 15.000kg;
- Max radna širina: 1.600mm;
- Unutrašnji prečnik rolne: 480-750mm;
- Pogonska snaga linije: 25,5-35KW;
- Brzina ravnjanja: 20 m/min;
- Tolerancija dužine: ± 1 mm.
- Debljina lima: 0,3-6mm;
- Broj radnih valjaka: 5+4;
- Prečnik radnih valjaka: 120-175mm;
- Materijal radnih valjaka: 42CrMo4 55 HRC;
- Vrsta prenosa: kardanski prenos;
- Vrsta odsecanja: hidraulične ili ekscentar makaze;
- Kontrola procesa: PLC SCHNEIDER ELECTIIC, SIEMENS.

**SHEET METAL STRAIGHTENING AND CUT-TO-LENGTH LINE
THICKNESS 0,3-6mm**

The line is consist from decoiler with hydraulic coil car, straightening machine, shear for cutting, drop table and operation control panel.

Technical parameters:

- Capacity of decoiler and hydraulic coil car: 10.000 – 15.000kg;
- Max sheet width: 1.600mm;
- Internal diameter of roll: 480-750mm;
- Power input of line: 25,5-35KW;
- Speed: 20 m/min;
- Longitudinal cutoff tolerance: ± 1 mm.
- Sheet thickness: 0,3-6mm;
- Number of working shafts: 5+4;
- Diametar of working shafts: 120-175mm;
- Material of working shafts: 42CrMo4 55 HRC
- Power transmission: cardan system;
- Type of cutting: hydraulic or excenter shear;
- Operation Control Panel: PLC SCHNEIDER ELECTIIC, SIEMENS.



LINIJA ZA UZDUŽNO SEČENJE LIMA-SLITER

Linija se sastoji od odmotalice sa hidrauličnim kolicima, makaza za uzdužno sečenje, namotača obrezanih krajeva, prenosne platforme, uređaja za zatezanje traka, namotalice sa hidrauličnim kolicima i kontrolnog pulta.

Tehnički parametri:

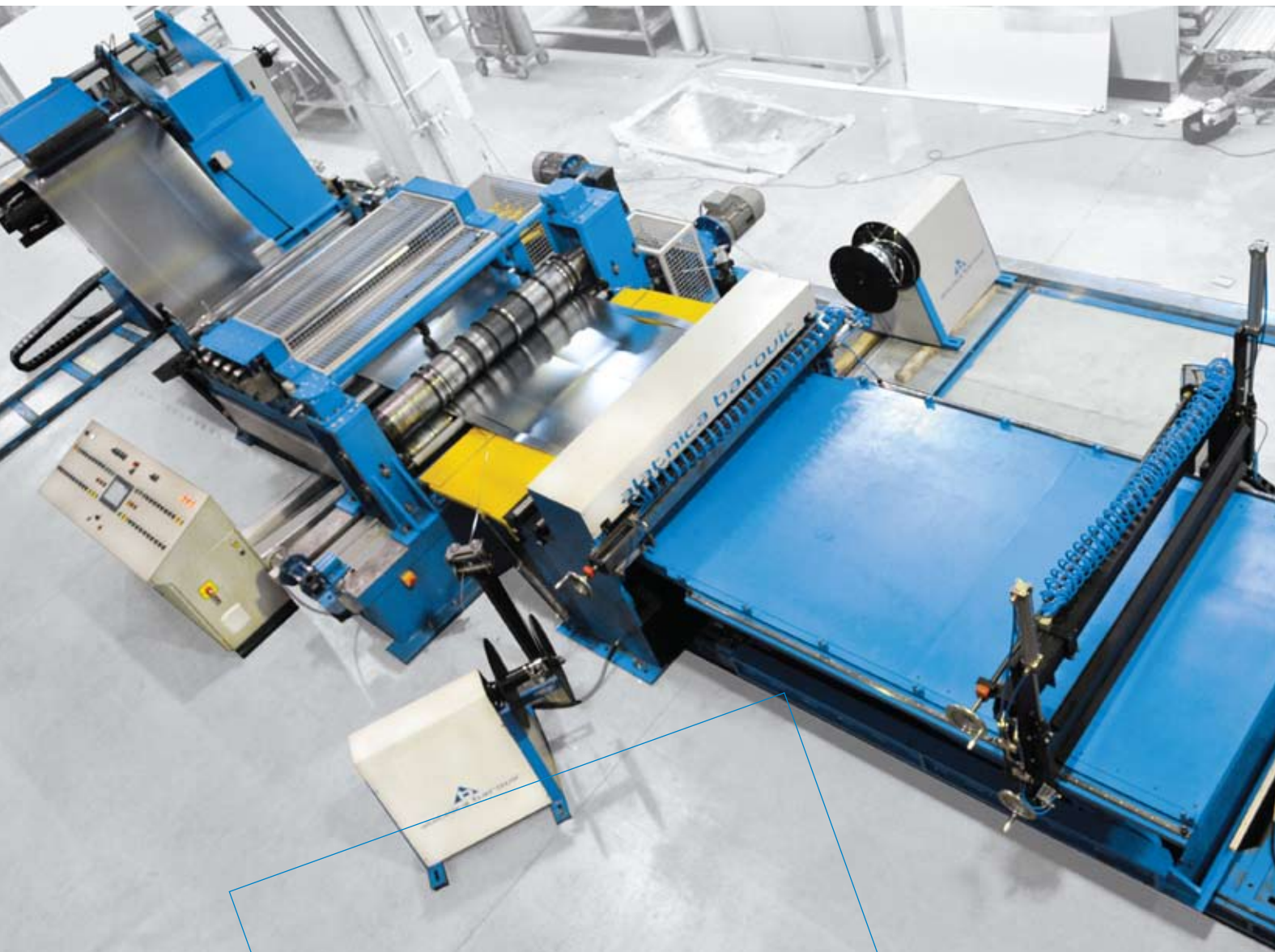
- Kapacitet odmotalice: 10.000 – 15.000kg;
- Max radna širina: 1.600mm;
- Unutrašnji prečnik rolne: 480-750mm;
- Nosivost namotalice: 10.000kg;
- Prečnik bubnja namotalice: 508mm;
- Pogonska snaga linije: 45kw;
- Brzina rezanja: 10-50m/min;
- Tolerancija širine rezanja: 0,05mm;
- Paraliteta rezanja: 0,1mm/m;
- Debljina lima: 0,2-3mm;
- Prečnik osovine slitera: 175mm;
- Materijal osovine: 42CrMo4 28 HRC
- Materijal noževa: X155 CrV Mo12-1 58-60 HRC
- Maksimalni broj traka: 45(debljina 0,5mm);
- Najmanja širina rezanja: 32mm;
- Minimalna širina 16 mm za sečenje lima do 1 mm debljine
- Maksimalan broj rezova 10 traka od lima 3 mm debljine
- Maksimalan broj rezova 16 traka od lima 2 mm debljine
- Kontrola procesa: PLC SCHNEIDER ELECTIC, SIEMENS .

SLITTING LINE

The line consists from decoiler with hydraulic coil car, circular blades shear, two side scrap winder, hydraulic transmission platform, pneumatic felt brake tightens, recoiler with hydraulic coil car and operation control panel.

Technical parameters:

- Capacity of decoiler and hydraulic coil car: 10.000 – 15.000kg;
- Max sheet width: 1.600mm;
- Internal diameter of roll: 480-750mm;
- Capacity of recoiler and hydraulic coil car: 10.000kg;
- Internal diameter of recoiler: 508mm
- Power input of line: 45KW;
- Speed: 10-50 m/min;
- Amplitude cutoff tolerance: 0,05mm;
- Parallel of cutting: 0,1mm/m;
- Sheet thickness: 0,2-3mm;
- Diameter of working shear shafts: 175mm;
- Material of working shafts: 42CrMo4 28 HRC
- Material of blades: X 155 Cr V Mo 12-1 58-60 HRC
- Max number of strips: 45(thickness 0,5mm);
- Min cutting width: 32mm;
- Min. width of 16 mm for cutting sheet metal up to 1 mm thickness
- Max number of cuts 10 sheets of 3 mm thickness
- Max number of cuts 16 sheets of 2 mm thickness
- Operation Control Panel: PLC SCHNEIDER ELECTIC, SIEMENS .



LINIJA ZA UZDUŽNO I POPREČNO SEČENJE LIMA – SLITER-RAVNALICA

Linija se sastoji od odmotalice sa hidrauličnim kolicima, mašine za ravnanje lima, makaza za uzdužno sečenje, makaza za poprečno odsecanje lima, namotača obrezanih krajeva, prenosne platforme, uređaja za zatezanje traka, namotalice sa hidrauličnim kolicima i kontrolnog pulta.

Tehnički parametri:

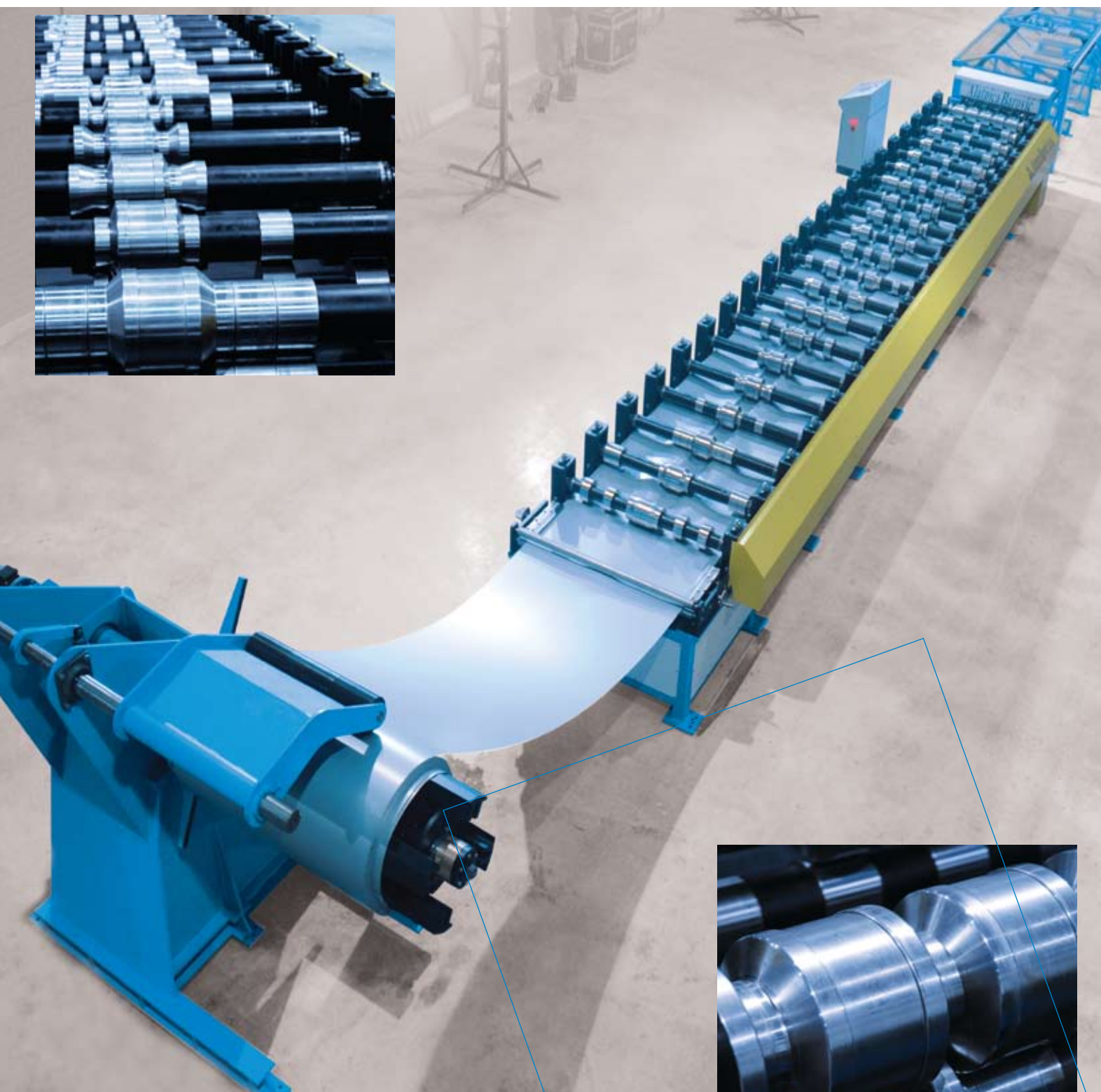
- Kapacitet odmotalice: 10.000 – 15.000 kg;
- Max radna širina: 1.600mm;
- Unutrašnji prečnik rolne: 480-750 mm;
- Nosivost namotalice: 10.000kg;
- Prečnik bubnja namotalice: 508 mm;
- Pogonska snaga linije 58 KW;
- Brzina rezanja: 10-50m/min;
- Tolerancija širine rezanja: 0,05mm.
- Paritet rezanja: 0,1 mm/m;
- Tolerancija dužine +/- 1mm.
- Debljina lima: 0,2-3mm;
- Prečnik osovine slitera: 175mm;
- Broj radnih valjaka ravnalice: 5+4;
- Precnik radnih valjaka ravnalice: 120mm
- Materijal osovina: 42CrMo4 28 HRC
- Materijal noževa: X155 CrV Mo12-1 58-60 HRC
- Maksimalan broj traka : 45(debljina 0,5mm);
- Najmanja širina rezanja: 20mm;
- Kontrola procesa : PLC SCHNEIDER ELECTRIC, SIEMENS.

SLITTING LINE AND CUT-TO-LENGTH LINE

The line is consist from decoiler with hydraulic coil car, straightening machine, circular blades shear, shear for cross cutting, two side scarp winder, moving transmission platform, pneumatic felt brake tightens, recolier with hydraulic coil car and operation control panel.

Tehnical parameters:

- Capacity of decoiler and hydraulic coli car: 10.000- 15.000kg
- Mx sheet width: 1.600mm,
- Internal diameter of roll: 480-750mm,
- Capacity of recolier and hydraulic coli car: 10.000kg,
- Internal diameter of recolier: 508mm
- Power input of line: 58KW,
- Speed 10-50m/min
- Amplitude cutoff tolerance: 0,05mm,
- Parallel of cutting: 0,1 mm/m
- Longitudinal cutoff tolerance: +/- 1mm
- Sheet thickness: 0,2-3mm,
- Diameter of working shear shafts: 175mm,
- Number of working shafts of straightening: 5+4,
- Diameter of working shafts of straightening: 120mm,
- Material of working shafts: 42CrMo4 28 HCR
- Material of blades :X 155CrV Mo 12-1 58-60 HRC
- Max number of strips: 45(thickness 0,05mm),
- Min cutting width: 20mm,
- Operation Control Panel: PLC SCHNEIDER ELECTRIC, SIEMENS.



LINIJA ZA IZRADU TRAPEZNIH PROFILA

Linija se sastoji od odmotalice sa hidrauličnim kolicima, mašine za profilisanje, makaza za odsecanje, prihvatnog stola i kontrolnog pulta.

Tehnički parametri:

- Kapacitet odmotalice: 10.000kg;
- Max radna širina: 1.600mm;
- Unutrašnji prečnik rolne: 480-750mm;
- Pogonska snaga linije: 18-30kw;
- Brzina profilisanja: 15-20m/min;
- Tolerancija dužine: ± 1 mm.
- Debljina lima: 0,3-1,25mm;
- Broj stanica: 12-30;
- Prečnik osovina: 70-90mm;
- Materijal osovina: 42CrMo4 28 HRC;
- Materijal alata: 42CrMo4 nitriran na 64HRC;
- Vrsta prenosa: lančani prenos;
- Vrsta odsecanja: hidraulične ili ekscentar makaze;
- Kontrola procesa: PLC SCHNEIDER ELECTIIC, SIEMENS.

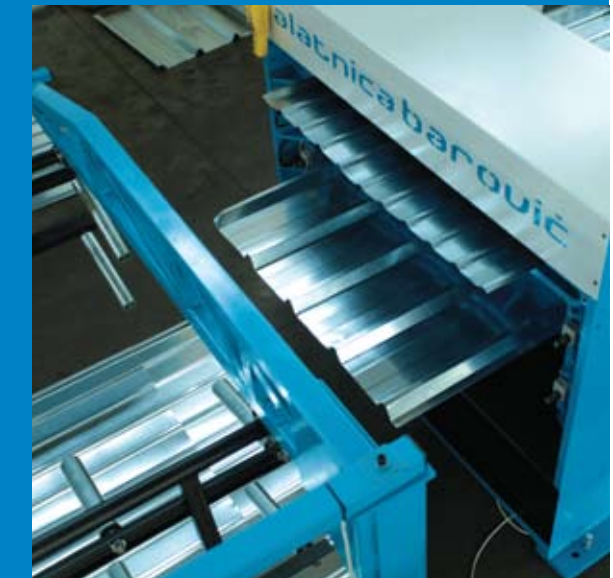
SHEET METAL TRAPEZOID SHAPING LINE

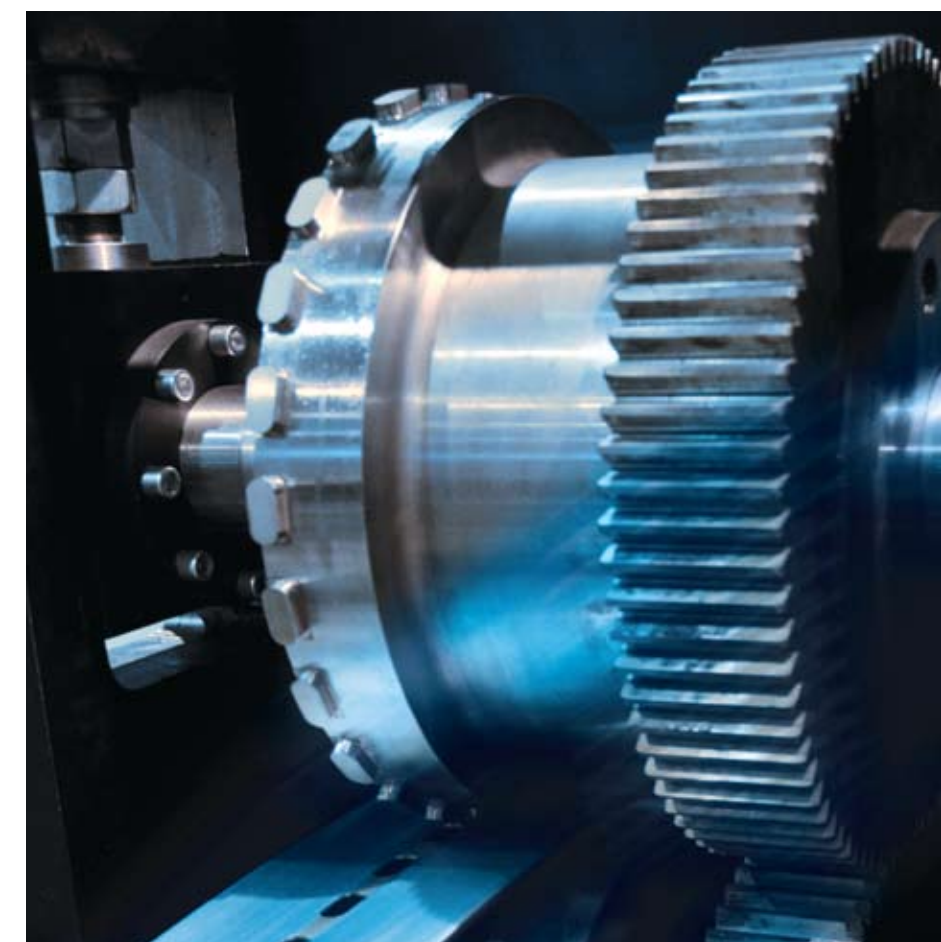
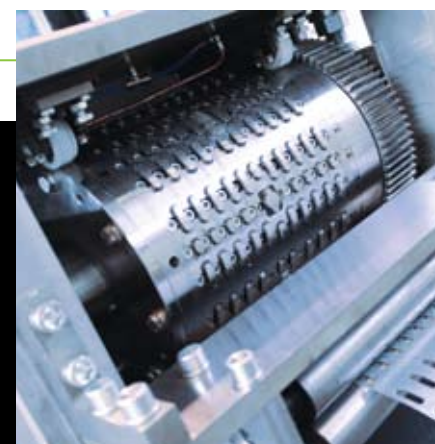
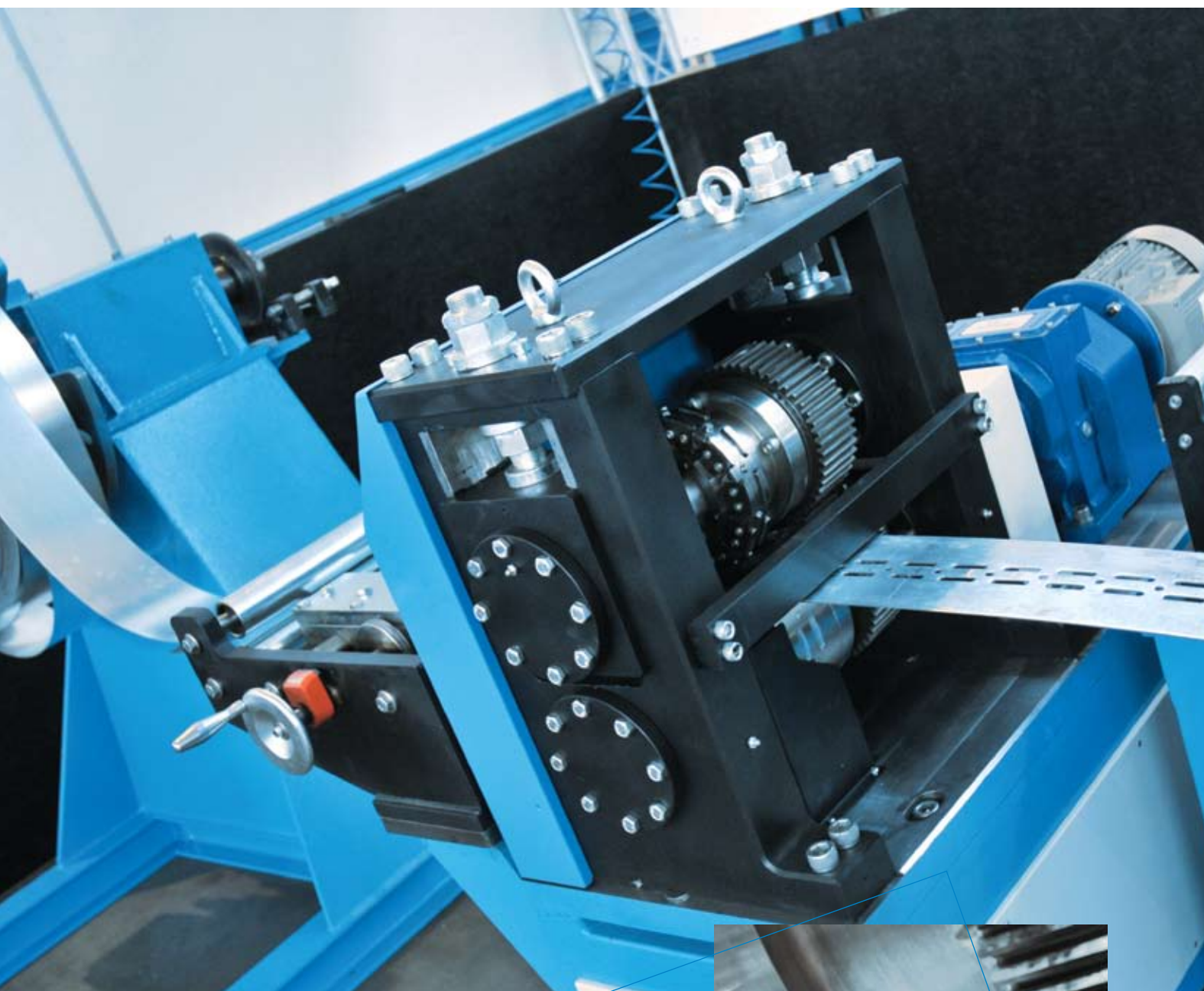
The line is consist from decoiler with hydraulic coil car, rollforming machine, cutting shear, drop table and operation control panel.

Technical parameters:

- Capacity of decoiler and hydraulic coil car: 10.000kg;
- Max sheet width: 1.600mm;
- Internal diameter of decoiler: 480-750mm;
- Power input of line: 18-30KW;
- Speed: 15-20 m/min;
- Longitudal cutoff tolerance: ± 1 mm;
- Sheet thickness: 0,3-1,25mm;
- Number of stations: 12-30;
- Diametar of working shafts: 70-90mm;
- Material of working shafts: 42CrMo4 28 HRC
- Material of tools: 42CrMo4 nitriding 64HRC;
- Power transmission: chains system;
- Type of cutting: hydraulic or excenter shear;
- Operation Control Panel: PLC SCHNEIDER ELECTIIC, SIEMENS.

TR 0,75X17,5	s=0,45-0,7mm	
TR 2X88	s=0,45-0,7mm	
TR14X225	s=0,45-0,7mm	
TR18X135	s=0,45-0,7mm	
TR20X220	s=0,45-0,7mm	
TR35X185	s=0,45-0,7mm	
TR37X200	s=0,45-0,7mm	
TR40X230	s=0,45-0,7mm	
TR60X211,5	s=0,45-0,9mm	
TR75X187,5	s=0,75-1,25mm	
TR85X300	s=0,75-1,25mm	
TR135X310	s=0,75-1,25mm	
TR150X280	s=0,75-1,5mm	



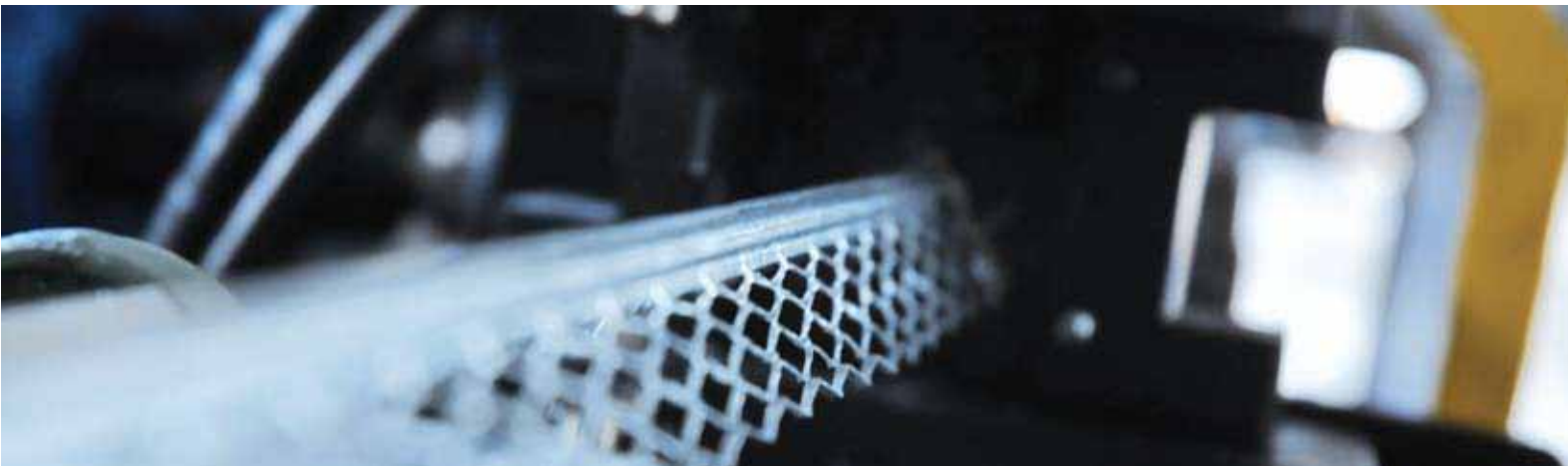


TEHNIČKI PODACI – ROTACIONA PRESA

Veličina alata [mm]	200 – 500
Dimenzija [mm] (B x H x T)	1500x1400x1100
Standardna širina materijala [mm]	50-250
Standardna debljina materijala [mm]	0.3 - 2.5
Materijal alata	X 155 CrVMo 12-1 (1.2379)
Obrtni moment [Nm]	do 1100
Snaga [kW]	2.2 – 5.5
Brzina perforacije [m/min]	20 - 100

TEHNICAL DATA – ROTARY PUNCH

Tool size [mm]	200 – 500
Dimensions [mm] (B x H x T)	1500x1400x1100
Standard material widths [mm]	50-250
Standard material thickness [mm]	0.3 - 2.5
Tools material	X 155 CrVMo 12-1 (1.2379)
Torque ranges approx [Nm]	up to 1100
Power [kW]	2.2 – 5.5
Perforations speed [m/min]	20 - 100



LINIJA ZA IZRADU UGAONE LAJSNE ZA MAŠINSKO MALTERISANJE

Linija se sastoji od odmotalice, mašine za profilisanje, makaze ili testere za odsecanje, prihvatnog stola i kontrolnog pulta.

Tehnički parametri:

- Kapacitet odmotalice: 1.000 kg
- max radna širina: 37mm
- Unutrašnji prečnik rolne: 480-750mm
- Pogonska snaga linije: 3kw
- Brzina profilisanja 30-50m/min,
- Tolerancija dužine: +/-1mm
- Debljina lima: 0,4-0,6mm
- Broj stanica: sekcije sa šest pari noževa za prosecanje romboidnih otvora, dva para valjaka za savijanje i sklopa za korekciju pravca profila
- Materijal alata: X 155CrVMo 12-1 58-60 HRC
- Vrsta prenosa: reduktorski;
- Vrsta odsecanja: pneumatske makaze ili kružna testera
- Kontrola procesa: PLC SCHNEIDER ELECTRIC, SIEMENS.



ROLLFORMING LINE FOR CORNER PROFILE

The line is consist from decolier, rollforming machine, cutting shear or saw, drop table and operation control panel.

Technical parameters:

- Capacity of decoiler: 1.000 kg
- Max sheet width: 37mm
- Internal diameter of roll: 480-750mm
- Power input of line: 3kw
- Speed: 30-50m/min
- Longitudal cutoff tolerance: +/- 1mm
- Sheet thickness: 0,4-0,6mm
- Number of stations: six pairs of blades for cutting diamond-shaped openings, two pairs of rollers for folding and assembly to correct the direction of the profile,
- Diametar of working shafts: 50mm
- Material of tools: X 155CrVMo 12-1 58-60 HRC
- Power transmission: by gear,
- Type of cutting: pneumatic shear or circular saw
- Operation Control Panel : PLC SCHNEIDER ELECTRIC, SIEMENS.



**LINIJA ZA IZRADU PROFILA SA AUTOMATSKIM
PODESAVANJEM DIMENZIJA PROFILA**

Linija se sastoji od odmotalice, mašine za profilisanje, makaza ili testere za odsecanje, prihvatnog stola i kontrolnog pulta.

Tehnički parametri:

- Kapacitet odmotalice: 2.000kg;
- Max radna širina: 100-900mm;
- Unutrašnji prečnik rolne: 480-750mm;
- Brzina profilisanja: 20-50m/mi;
- Tolerancija dužine: ±1mm;
- Debljina lima: 0,3-3mm;
- Broj stanica: 6-20;
- Prečnik osovina: 50-70mm;
- Materijal alata: 42CrMo4 nitiran na 64HRC;
- Materijal osovina: 42CrMo4 28 HRC;
- Materijal noževa: X210Cr12 58-60HRC;
- Vrsta odsecanja: hidraulične makaze start-stop ili letece
- Kontrola procesa: PCL SCHNEIDER ELECTRIC, SIEMENS.
- Vreme zamene sa jednog na drugi profil: 15min

**ROLLFORMING LINE FOR PROFILES
WITH AUTOMATIC ADJUSTMENT DIMENSION OF PROFILES**

The line is consist from decolier, rollforming machine, cutting shear or saw, drop table and operation control panel.

Technical parameters:

- Capacity of decoiler: 2.000kg;
- Max sheet width: 100-900mm;
- Internal diameter of roll: 480-750mm;
- Speed: 20-50m/min;
- Longitudal cutoff tolerance: ±1mm;
- Sheet thickness: 0,3-3mm;
- Number of stations: 6-20;
- Diametar of working shafts: 50-70mm;
- Material of tools: 42CrMo4 nitriding 64 HRC;
- Material of working shafts: 42CrMo4 28 HRC;
- Material of blades: X210Cr12 58-60 HRC;
- Type of cutting: hydraulic shear start-stop or flying
- Operation Control Panel: PLC SCHNEIDER ELECTRIC, SIEMENS.
- Time need to change from one to other profile: 15min