

Simtek

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**A list of some of our
current projects.
September 2019**





FORD OTOSAN
Gölcük, Republic of Turkey

Reconstruction and modernization projects of tandem press lines, commissioning of a new robotic press line at the FORD OTOSAN plant.

The project consists of 3 stages.

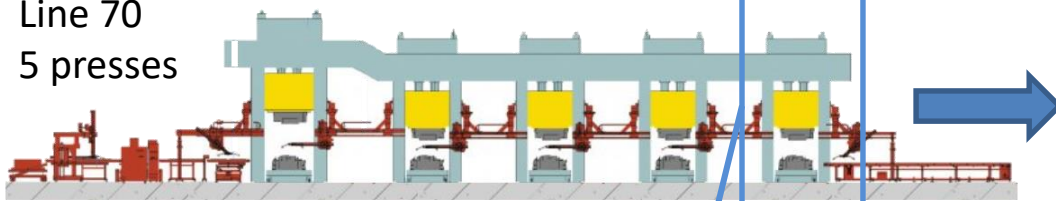
Stage 1: reconstruction of 3 SCHULER press lines.

Stage 2: control system modernization of 2 SCHULER press lines.

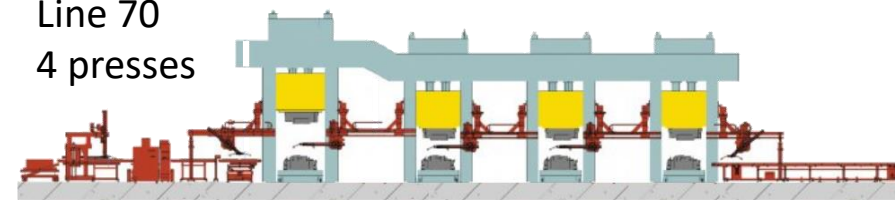
Stage 3: commissioning of a new robotic line.

Stage 1: reconstruction of 3 SCHULER press lines (finished).

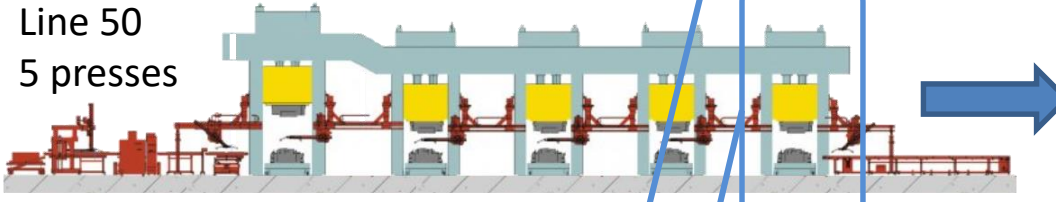
Line 70
5 presses



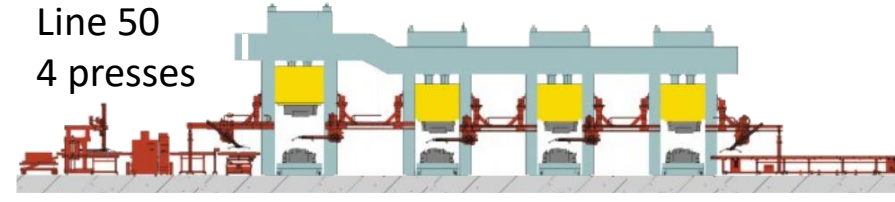
Line 70
4 presses



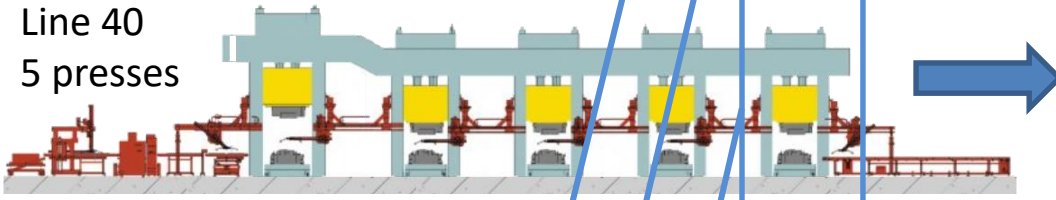
Line 50
5 presses



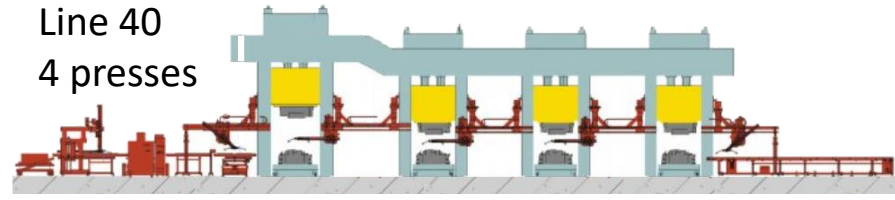
Line 50
4 presses



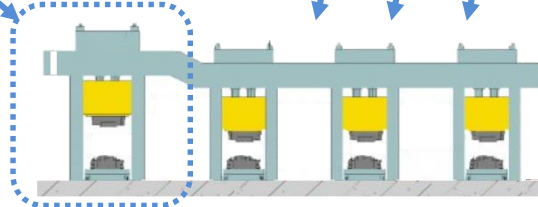
Line 40
5 presses



Line 40
4 presses



NEW
PRESS
JIER



New formed line 30
consists of 4 presses.

This stage includes the dismantling of the last presses and feeders from three working tandem lines (line 70/50/40).

Transfer, installation to a new location and formation of a new line 30.

Commissioning of 70/50/40 lines as part of 4 presses.

Step completed during 2018 shutdown period 14 days.

Stage 2: control system modernization of 2 SCHULER press lines (finished).

Two working tandem lines 40 and 50.

This stage involves the complete replacement of old controllers and signal cards of the S5 family with a new S7 family based on S7-1500 controllers.

Replacement of slider position encoder, slide and cushion adjusting encoder replacement of old operator panels with new ones. **This step completed for 8 presses during shutdown period 12 days.**

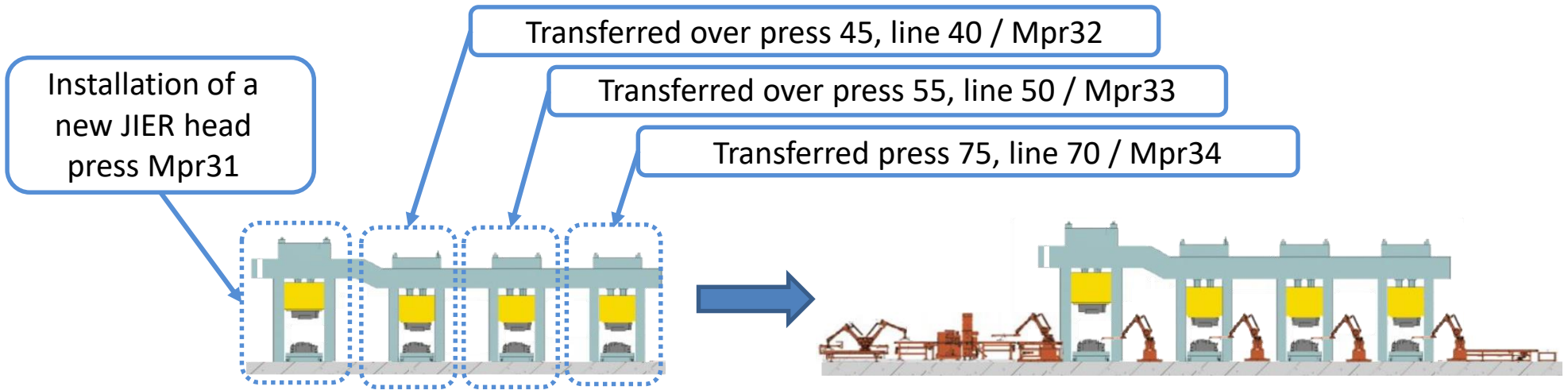


Tandem press line 40



Tandem press line 50

Stage 3: commissioning of a new robotic line (continue).



This stage consists of 3 parts.

- 1. Modernization of the control system of carried over presses.**
- 2. Installation and commissioning of a new JIER head press**
- 3. Installation of robots, conveyors and other auxiliary equipment, thus realizing the concept of a robotic line.**



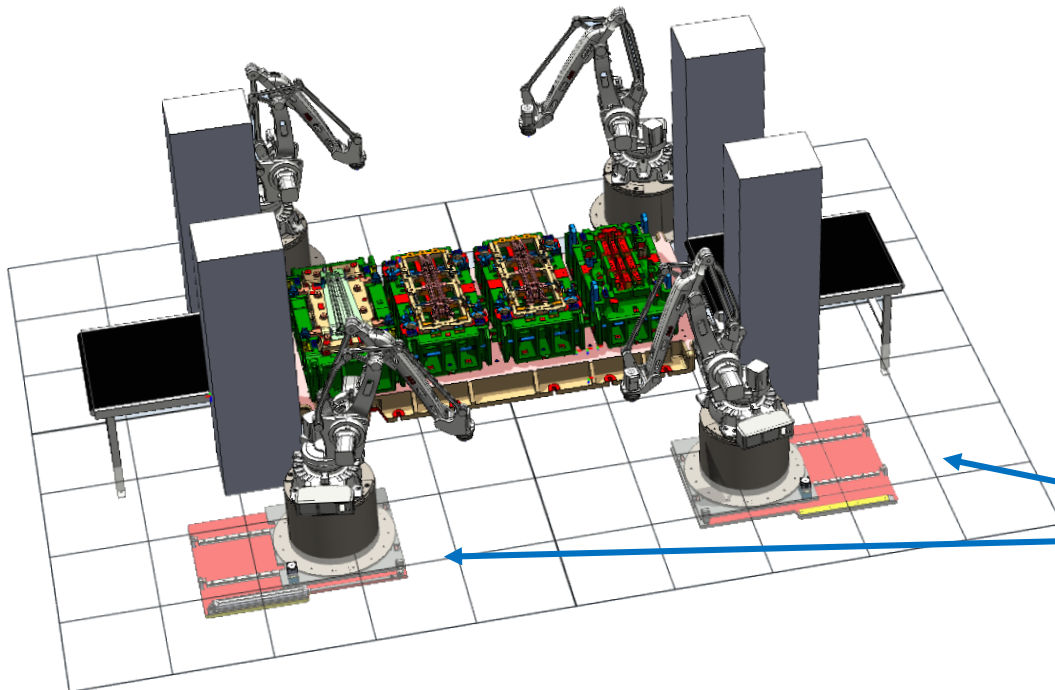
Line 30 at the time of September 2019

The logo for TKG Automotive, featuring the letters 'TKG' in a large, bold, black font above the word 'AUTOMOTIVE' in a smaller, black font. The logo is set against a yellow background with a white swoosh above the letters.

TKG
AUTOMOTIVE

TKG AUTOMOTIVE

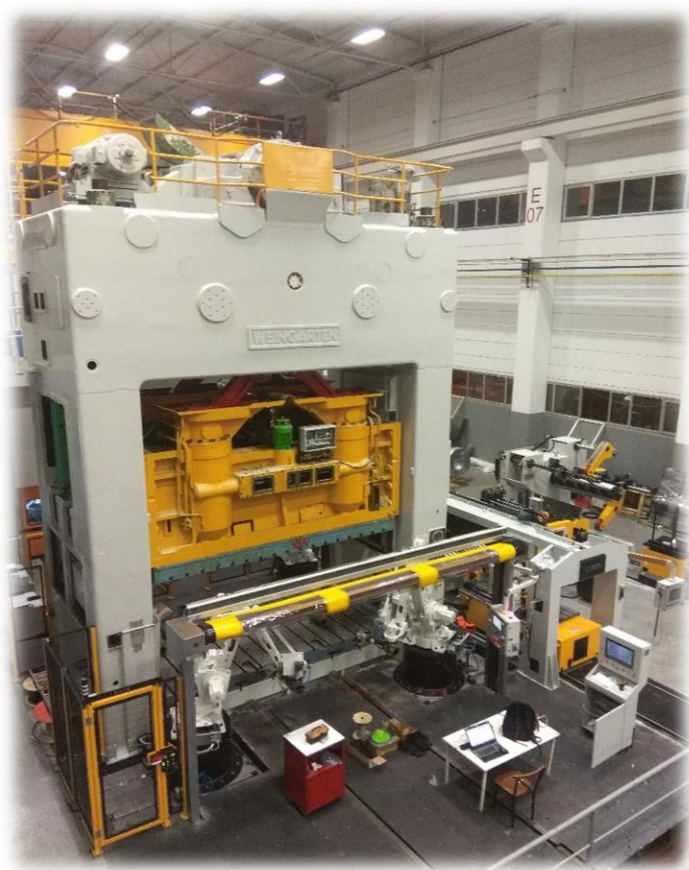
Bursa, Republic of Turkey



**Commissioning of the
multifunctional press line.**

**The line consists of a mechanical press,
4 ABB robots manipulators, destacker,
decoiler and feeder.**

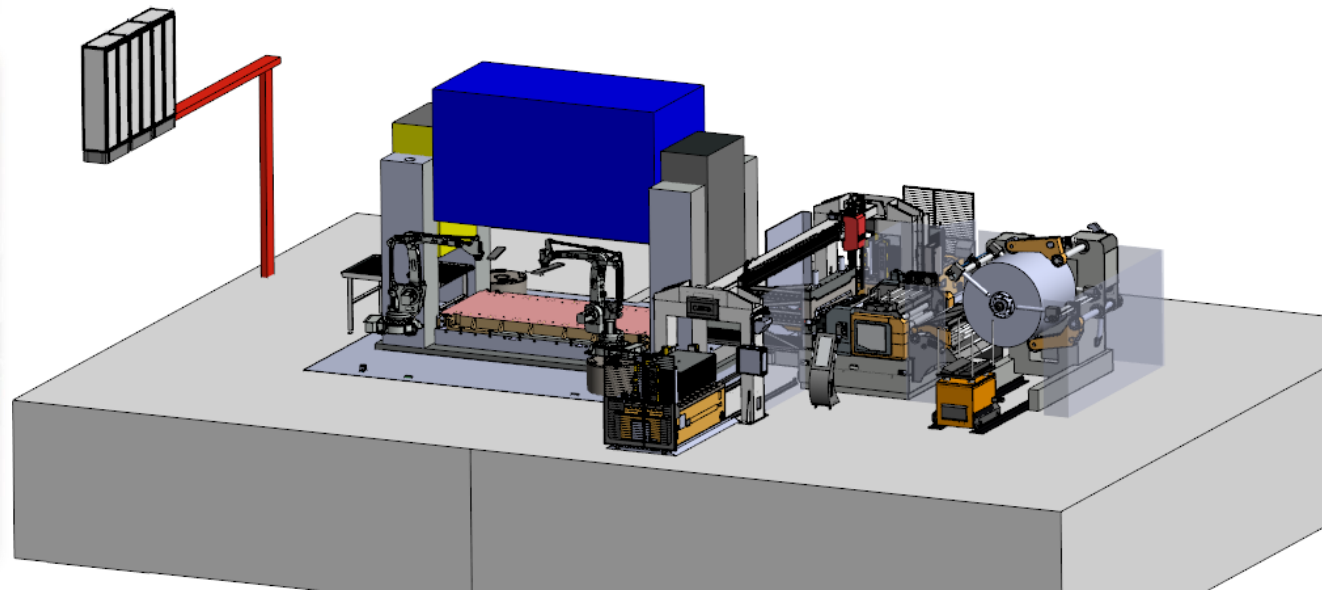
**Robots manipulators are
used as transfer systems.**



The press, in combination with decoiler and feeder,
functions as a
PROGRESSIVE press.



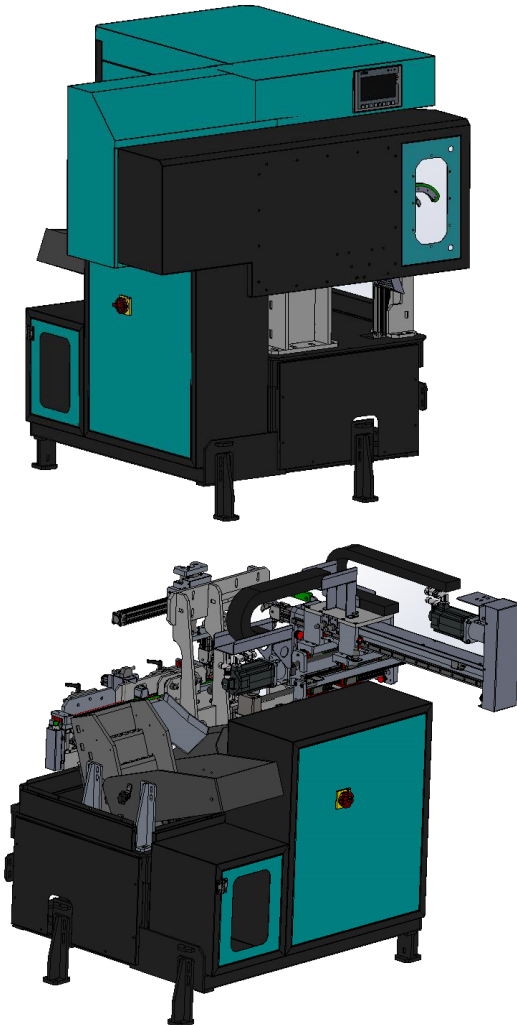
The press, in combination with destacker and robots,
functions as a
TRANSFER press.





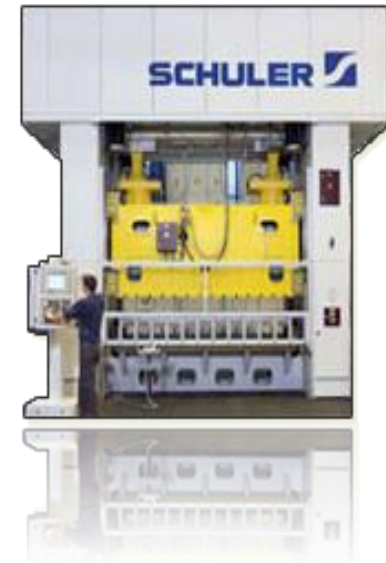
AYD Industry
Konya, Republic of Turkey

**Development, design,
manufacture and
commissioning of 36 devices
for loading/unloading pieces
into a CNC milling machine.**



**A list of some of our
FINISHED
repair and modernization projects:**

- **Mechanical presses**
- **Hydraulic presses**
- **Robotic Press Lines**
- **Progressive presses**
- **Transfer presses**





KAMAZ

**Modernization of the press line in the new K5 cabin
stamping and welding department
(The newest KAMAZ-54901 trucks)**

PRESS and STAMPING PLANT

«KAMAZ»

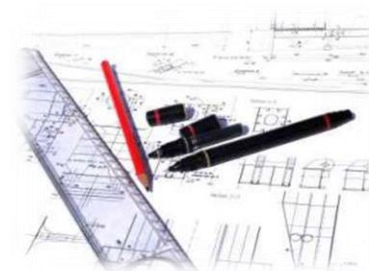
**Naberezhnye Chelny, Republic of Tatarstan,
Russian Federation**

As part of the press line modernization project

4 IHI presses 600 tons

1 presses ERFURT 800 tons

**mechanical, hydraulic, pneumatic, electrical and control
system were repaired and modernized.**



Before modernization:



KAMAZ



After modernization:



KAMAZ





COŞKUNÖZ
ALABUGA

**Modernization of the robotic press line
at the
COSKUNOZ ALABUGA factory
sez «Alabuga», Republic of Tatarstan,
Russian Federation**

**As part of the modernization project,
5 presses Verson 900 tons
were repaired and modernized.**

**The presses were integrated together with 7 robot
manipulators, conveyors and other auxiliary equipment into
a single automated press line.**

Automatic Die Change technology was implemented.

Before modernization:



COŞKUNÖZ
ALABUGA



After modernization:



COŞKUNÖZ
ALABUGA



**Modernization of various
press lines at the
IZHEVSK AUTOMOBILE PLANT
Izhevsk, Udmurt Republic,
Russian Federation**

**As part of the modernization project,
10 presses ERFURT 500 tons
1 press CLEARING 1250 tons
4 presses CLEARING 1000 tons
1 press SPIERTZ 1200 tons
of presses were repaired and modernized.**



ДОСКА СТАНДАРТ
Информация о стандарте

LADA ИЖЕВСК
ИЖЕВСКИЙ АВТОМОБИЛЬНЫЙ ЗАВОД



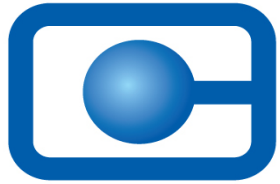
SPIERTZ
NAERD-40

SPIERTZ

ERFURT

ERFURT

LADA ИЖЕВСК
ИЖЕВСКИЙ АВТОМОБИЛЬНЫЙ ЗАВОД

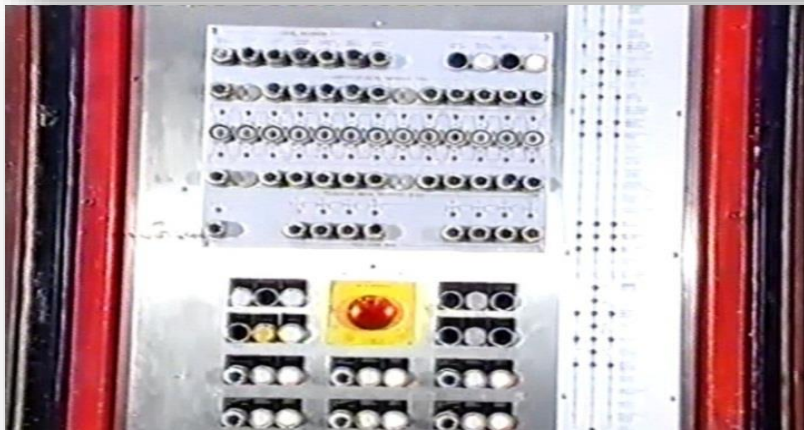


COŞKUNÖZ
METAL FORM

**Modernization of the transfer press
at the
COSKUNOZ factory
Bursa, Republic of Turkey**

**As part of the modernization project,
Transfer mechanical press WEINGARTEN 2500 tons
with 3 sliders
was repaired and modernized.
Transfer system was realized on servo drivers.**

Before modernization:



After modernization:



COŞKUNÖZ
METAL FORM





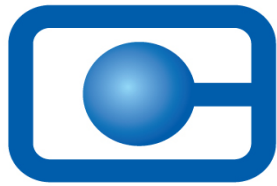
**Modernization and robotization
of the press line at the
COSKUNOZ factory
Bursa, Republic of Turkey
LINE №5**

**As part of the line № 5 modernization project,
1 hydraulic press MÜLLER 1200 tons
3 presses WEINGARTEN 800 tons
were repaired and modernized.**

**The presses were integrated together with 6 robot
manipulators, conveyors and other auxiliary equipment into
a single automated press line.**

After modernization:





COŞKUNÖZ
METAL FORM

**Modernization and robotization
of the press line at the
COSKUNOZ factory
Bursa, Republic of Turkey
LINE №6**

**As part of the line № 6 modernization project,
1 press SCHULER 1250 tons
3 presses SCHULER 800 tons
were repaired and modernized.**

**The presses were integrated together with 7 robot
manipulators, conveyors and other auxiliary equipment into
a single automated press line.**

After modernization:





**Modernization and robotization
of the press line at the
COSKUNOZ factory
Bursa, Republic of Turkey
LINE №8**

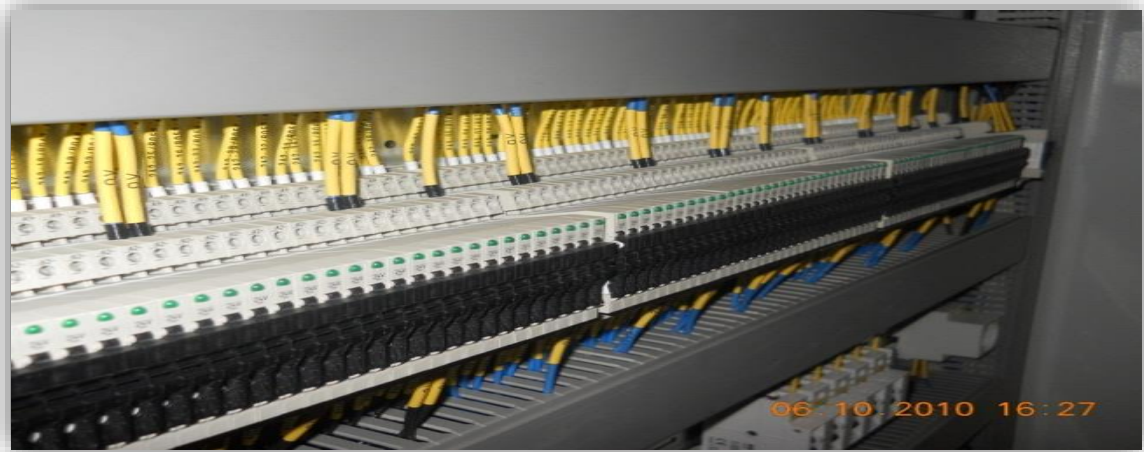
**As part of the line № 8 modernization project,
4 presses WEINGARTEN 800 tons
were repaired and modernized.**

**The presses were integrated together with 7 robot
manipulators, conveyors and other auxiliary equipment into
a single automated press line.**

After modernization:



COŞKUNÖZ
METAL FORM





**Modernization and robotization
of the press line at the
TKG AUTOMOTIVE factory
Bursa, Republic of Turkey**

**As part of the modernization project,
4 presses WEINGARTEN 800 tons
1 press WEINGARTEN 1400 tons
were repaired and modernized.**

**The presses were integrated together with 8 robot
manipulators, conveyors and other auxiliary equipment into
a single automated press line.**

Before modernization:



After modernization:



After modernization:





**Modernization of various presses
at the
TEKNOROT factory
Duzce, Republic of Turkey**

**As part of the modernization project,
1 press Voronej ZTMP 2500 tons
1 press Voronej ZTMP 1600 tons
1 press IWK 250 tons
1 press IWK 160 tons
1 press ERFURT 500 tons
were repaired and modernized.**

After modernization:







Project Description:

1. SMG 32 press modernization
2. Reconstruction of SCHULER press lines. Transfer of one press. Modernization of control system. Line № 40.
3. Reconstruction of SCHULER press lines. Transfer of one press. Modernization of control system. Line № 50.
4. Reconstruction of SCHULER press lines. Transfer of one press. Line № 70.
5. Commissioning of a new robotic line (continue).

Company: FORD Otosan

Kocaeli Gölcük Plant
Gölcük Denizevler Mah. Ali Uçar Cad. No:53
Gölcük / Kocaeli / Turkey
Tel: +90 (262) 315 50 00
<https://www.fordotosan.com.tr/tr>



Project Description:

1. Modernization of the mechanical press WEINGARTEN 2500 tons with 3 sliders.
2. Modernization and robotization of the press line №5 (4 press/ 6 robots)
3. Modernization and robotization of the press line №6 (4 press/ 7 robots)
4. Modernization and robotization of the press line №8 (4 press/ 7 robots)

Company: COSKUNOZ HOLDING

Organize Sanayi Bölgesi, Sarı Cadde No:1 16140
Bursa / Turkey
Tel: +90 (224) 280 01 00
Fax: +90 (224) 243 11 46
<http://www.coskunozholding.com/tr>



Project Description:

1. 2000 ton SMG press modernization

Company: COŞKUNÖZ KALIP MAKİNA

Bursa Organize Sanayi Bölgesi, Sarı Cadde No:1, 16140

Bursa / Turkey

Tel: +90 (224) 280 0600

<http://www.coskunuzkalip.com>



Project Description:

1. Modernization and robotization of the press line №2 (5 press/ 7 robots)

Company: COSKUNOZ ALABUGA

ОЭЗ «Алабуга», улица Ш-2, здание 4/2, 423600

Elabuga / Republic of Tatarstan / Russian Federation

Tel: +7 (85557) 5-34-34

alabuga@coskunuz.ru

<http://coskunuz.ru/>



Project Description:

1. ERFURT and 4 IHI press modernization

Company: PRESS and STANPING PLANT«KAMAZ»

Naberezhnye Chelny / Republic of Tatarstan / Russian Federation

<https://kamaz.ru/>



Project Description:

1. Opening and cut-to length line commissioning

Company: COSKUNOZ ALABUGA - MMK

ОЭЗ «Алабуга», улица Ш-2, здание 4/2, 423600

Elabuga / Republic of Tatarstan / Russian Federation

Tel: +7 (85557) 5-34-34

alabuga@coskunuz.ru

<http://coskunuz.ru/>





Project Description:

Modernization of 10 adet ERFURT 500 ton presses
Modernization of 1 adet CLEARING 1250 ton press
Modernization of 4 adet CLEARING 1000 ton presses
Modernization of 1 adet SPIERTZ 1200 ton press

Company: ООО "ЛАДА Ижевск"

426068, Автозаводская ул. 5
Izhevsk / Udmurt Republic / Russian Federation
Tel: +7 (341) 264-80-09
<http://ladaizhevsk.ru/>



Project Description:

1. Modernization and robotization of the multifunctional press line №30 (5 press/ 8 robots)
2. Commissioning of the multifunctional press line №42.

Company: TKG Automotive Bursa

BOSBALI Osman Sönmez Bulvarı No:13 16140
Nilüfer / Bursa / Turkey
Tel: +90 (224) 280 79 00
<http://www.tkg.com.tr/>



Project Description:

1. Modernization and robotization of the press line №1 (5 press/ 7 robots)

Company: TEFAŞ AŞ

TOSB TAYSAD ORGANIZE SANAYI BOLGESI 3. CADDE NO:19 SEKERPINAR

Çayırova / Kocaeli / Turkey

Tel: +90 (262) 658 02 20

info@tefasoto.com.tr

<http://www.tefas.com/>



Project Description:

1. MUF transfer press modernization (2 press)

Company: BEMAS METAL

Makine İhtisas OSB 8. Sok No: 1

Dilovası / Kocaeli / Turkey

Tel: +90 (262) 723 23 23

info@bemasmetal.com



Project Description:

1. 350 ton mechanical press modernization

Company: ROLLMECH automotive

BTSO Organize Sanayi Bölgesi Yeşil Cd. No.15

Nilüfer / Bursa / Turkey

Tel: +90 (380) 553 73 33

info@rollmech.com

<http://www.rollmech.com>



Project Description:

1. 1000 ton special press modernization

Company: PARSAN

Güzelyalı Mahallesi Parsan Çıkmaı Sokak NO:2/1, 34903

Pendik / İstanbul / Turkey

Tel: +90 (216) 493 12 66

parsan@parsan.com

<http://www.parsan.com>

The logo for Faurecia, featuring the word "faurecia" in white lowercase letters on a dark blue rectangular background.

Project Description:

1. 300 ton special hydraulic press modernization

Company: FAURECIA

TOPSELVİ MAH. GÖLYOLU CAD. N0:22, 16800

Orhangazi / Bursa / Turkey

Tel: +90 (224) 573 60 60

Fax: +90 (224) 573 60 65

www.faurecia.com



Project Description:

1. Special heating press for composite pressing modernization

Company: TAI ANKARA (Türk Havacılık ve Uzay Sanayii)

Fethiye Mahallesi, Havacılık Bulvarı No:17 06980

Kahramankazan / Ankara / Turkey

Tel: +90 (312) 811 18 00

Fax +90 (312) 811 14 25

<https://www.tai.com.tr/>



Project Description:

1. Automation and electrification of new presses of various tonnage

Company: HİDROMODE

Hadımköy Mahallesi Mustafa İnan Caddesi No:29

Arnavutköy / İstanbul / Turkey

Tel: +90 (212) 771 29 01

Fax: +90 (212) 771 29 28

hidromode@hidromode.com

www.hidromode.com.tr



Project Description:

1. Various tonnage special rubber presses modernization (11 presses)

Company: TEKNO KAUÇUK

Gebze Organize Sanayi Bölgesi İhsan Dede Caddesi Doğan Lastik Fabrikası No:126

Gebze/ Kocaeli / Turkey

Tel: +90 (262) 999 21 00

Fax: +90 (262) 751 05 66

<http://www.teknokaucuk.com.tr>



Project Description:

1. Various tonnage special forging presses modernization (6 presses)

Company: TEKNOROT

Teknorot Düzce Factory

1. Organize Sanayi Bölgesi 1. Cadde No: 5

Beyköy / Düzce / Turkey

Tel: +90 (380) 553 73 33

info@teknorot.com

<https://www.teknorot.com/en/>

ALTEKA

Project Description:

1. Various tonnage special forging presses modernization (8 presses)

Company: ALTEKA

CUMHURİYET OSB2 MAHALLESİ 1 CAD. NO:7/7/A

Beyköy / Düzce / Turkey

Tel: +90 (380) 553 73 33

info@teknorot.com

<https://www.teknorot.com/en/>



Project Description:

1. Modernization of the transfer press COLOMBO

Company: Arçelik A.Ş.

Çamaşır Makinesi İşletmesi

Tuzla / İstanbul / Turkey

Tel: +90 (212) 314 34 34

kurumsal@arcelik.com

<https://www.arcelik.com.tr>



Project Description:

1. Modernization of the transfer press ROWETTA

Company: Arçelik A.Ş.

Bulaşık Makinesi İşletmesi

Sincan / Ankara / Turkey

Tel: +90 (212) 314 34 34

kurumsal@arcelik.com

<https://www.arcelik.com.tr>

The Siemens logo, consisting of the word "SIEMENS" in a bold, blue, sans-serif font.

Project Description:

1. Bakelite presses modernization (6 presses)

Company: SIEMENS A.Ş.

Yakacık Caddesi No: 111 34870

Kartal / İstanbul / Turkey

Tel: +90 (216) 459 20 00

Fax: +90 (216) 459 20 11

<http://www.siemens.com.tr>

**The list of some
brands of presses
that we have
modernized over the
past few years:**



- **SMG**
- **MÜLLER**
- **SPIERTZ**
- **BLISS**
- **SCHULER**
- **ERFURT**
- **IHI**
- **CLEARING**
- **VERSON**
- **ROWETTA**
- **COLOMBO**
- **IWK**
- **Voronej ZTMP**