

The beam drilling centre is considered as an integrated system.

And this system is consisting of Input Conveyor + Beam Drilling Centre + Marking Unit + Length Blanding Unit + Output Conveyor.

With the ADM 1010 CNC (Computer Numeric Control) you will be able to control all the machines connected to this system. To drill the steel beams used on metal bridges and constructions, the profile should be located on the input conveyor. Then it will be brought to its position with the CNC control by servo motor unit.

The ADM 1010 CNC machine blocks the positioned beam with hydraulic remoted special clamp jaws. The drilling process is performed by the 3 independent Punch Drilling Units on 3 different axis. Each punch drilling unit is controlled on their axis with the servo motors through the CNC, special variable screw drive groups and linear ball bearings.

Marking process is performed by hammering on beam side with a special machine or through ink spray system. This process could be completed as an intended step at any time.

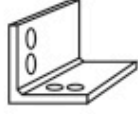
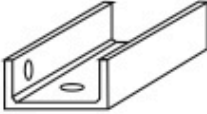

End cutting or blanking process should be done with a band saw machine. The feeding of the beam realizes with the input conveyor system and the blockage realizes with the hydraulic controlled clamp jaws.

Processed beams will be carried to the output conveyor. The carriers of the output conveyor are conducted with a reducer.

In order to facilitate the movement of the beam on the conveyor, there is a magnetic working lamella, which allows to cut the mechanical connection between the carriers and the reducer.

Technical Informations **TEKNİK BİLGİLER**

Control Panel / Makine Kumandası		CNC (PC Siemens)
Drill Unit / Delme Ünitesi	V / Dikey	1
Drill Unit / Delme Ünitesi	H/ Yatay	2
Drilling Diameter / Delme Çapı	mm	10-40
Max. Drilling Capacity / Maks. Delme Kapasitesi	mm	40
Spindel Devir Sayısı	d/d	200-2000
Spindle Motor Power / Spindel Motor Gücü	kW	7.5
Proceeding Speed Frw.-Bwr. / Hızlı İlerleme ileri-geri	mm/dk	20000
Max. I-Beam / Maks. I-Profil		1000 x 500
Tool Changing Unit / Takım Değişirme Ünitesi		3 Sets / 4 Positioned
Threading-Tapping Unit / Dış Çekme Ünitesi	mm	Optional
Working Height / Zeminden Çalışma Yük.	m	800
Input Conveyor Lenght / Giriş Konveyörü Uzun.	m	12 m, Standard
Output Conveyor Lenght / Çıkış Konveyörü Uzun.		12 m, Standard
Central Lubrication System / Merkezi Yağlama Sis.		Standard
Cooling Fluid / Air Micro Rosaget Spray System		Standard
Soğ. Sıvı / Hava Mikro Doz. Püsk. Sistemi		
Swarf Container / Talaş Konteyneri		Optional
Internal Cooling for Electronic Control Panel		Optional
Elektronik Kum Dolapları İç Soğutması		Optional
Technical Documentation / Teknik Dökümantasyon		Standard

	min	mm	80 x 80 x 8
	maks	mm	250 x 250 x 28
	min	mm	80 x 60
	maks	mm	400 x 110 x 28
	min	mm	80 x 60
	maks	mm	1000 x 400