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## MEHMET AYPEK

### EDUCATION

**M.Sc.:** Istanbul Technical University, Department of Metallurgical Engineering, Iron & Steel Professorship, March 1999. GPA : 3.44 / 4.0

*Subject of Master Thesis:* The Quality Determination of the Ductile Iron Castings by The Thermal Analysis Method. I have experienced the solidification of the ductile irons by ATAS (Adoptive Thermal Analysis System). I have surveyed the effects of the melting conditions, charge ratio, holding temperature, inoculation materials & ratios on the liquid metal. (Please visit [www.doktas.com.tr](http://www.doktas.com.tr) )

**Scholarship :** Won a scholarship from DOKTAS A.S. (KOC Group) in 1996 - 1997 term.

**B.Sc. :** Istanbul Technical University, Department of Metallurgical Engineering, June 1995.

*Subject of Graduation Thesis :* Coatings and Plasma Nitriding Process

### EXPERIENCES

**April 2002- .....**: Working at Aral Dokum which is a foundry in Istanbul. The firm has 27 employees. Capacity of the firm is 2.000 tons casting per year. Our products are alloyed & chilled ductile/gray cast irons which are for the glass industry. My responsibilities are all activities about the production and quality system. Because I am only the engineer in the firm so I contact the customers about all subjects. I give offers according to the technical data of the castings. I make cost analysis. Also I make the production program, charge ratio, pouring temperatures, check the samples at the laboratory. I write the documentation of ISO 9000:2000.

**February, 2001 - January, 2002 :** Worked at SENTEZ DOKUM Malzemeleri San. Tic. Pazarlama ve Danışmanlık Hizmetleri. I was responsible for:

- Advising about the scrap prevention for specially ductile & gray iron castings.
- Advising about the quality chambers (ISO 9002, QS 9000 and ISO 14001) to some Turkish Foundries.
- Preparing the basic charge receipts with lower costs.
- Making contractor for second hand foundry equipment for cost reduction (increasing the efficiency).
- Drawing layout for the foundry investments.
- Also making casting trade. Agreement with the supplier on purchasing conditions (minimum technical requirements, control procedures, price and paying, time, packaging, transport) for products.

**August, 2000 - February, 2001 :** Worked as the Engineer for Casting Sales who is responsible for marketing and sales of the steel castings to cement, iron, steel, rolling mills and automotive industries at BURCELİK A.S. I was responsible for surveying the new customers and visiting them to sell the steel and gray/ductile iron castings that produced all grades. To contact with them for the technical requirements, control procedures, price and paying, time, packaging, transportation of the castings sold.

**April, 2000 - June, 2000 :** Worked at DOKTAS A.S. as DISA TEAM LEADER who is responsible for the production of the moulds by DISA vertical moulding line machines.

THE GOAL OF DISA TEAM LEADER is given below:

- Satisfying our costumers by decreasing the scrap ratio after machining and increasing the total equipment productivity.

THE RESPONSIBILITY POINTS of DISA TEAM LEADER are given below:

- Increasing the total equipment productivity by means of Total Productive Maintenance.
- Decreasing the scrap ratio.
- Examining the costumer complaints and improving the process by the product traceability.
- Joining the APQP (Approval Part Quality Planning) Team to determine the mouldability for each new product.
- Training the personnel about the scrap prevention, problem solving techniques and the quality chambers.
- Improving the quality chambers (ISO 9002, ISO 14001 and QS 9000).

**July, 1999 - March, 2000 :** Completed 269<sup>th</sup> short-term compulsory military service at Turkish Air Force in Izmir.

**July, 1997 - June, 1999 :** Worked at DOKTAS A.S. as the Quality Representative of Melting Department in Bursa.

THE PERFORMED GOALS OF THE QUALITY REPRESENTATIVE are given below:

According to the quality goals and policy of DOKTAS A.S., improving the customer satisfaction by optimum usage of the resources.

THE SATISFIED RESPONSIBILITY POINTS OF THE QUALITY REPRESENTATIVE are given below:

- Improved the processes and products by tracing customers' (Catterpillar Belgium, Ford, JCB, Carraro, Iveco, Fiat, Renault, Brembo, Shin Mitsu Caterpillar, etc...) complaints and demands. Also managing the FORD-8D reports.
- Joined the APQP (Approval Part Quality Planing) Team to determine the material specification for each new product.
- Surveyed the new technologies to improve the production process.
- Improved the charge ratio, smelting efficiency, inoculation agents and testing processes for the ductile cast irons and lamellar graphite irons.
- Trained the personnel about the scrap prevention, problem solving techniques and the quality chambers.
- Improved the quality chambers (ISO 9002, ISO 14001 and QS 9000) in the Department.

#### CERTIFICATES

- "QS-9000 (PPAP / APQP / FMEA / SPC / MSA / QSA) Quality System Requirements", Deniz & Emre Meric Education & Consultation, 1 week 1999.
- "KAIZEN", TOFAS-FIAT, 5 days, 1998.
- "Weak Point Detection", MESS Education Foundation, 2 days, 1998.
- "5S Industrial Cleanness and Order", National Center of Productivity, 1 day, 1998.
- "Multi-Lab Quick-Cup User Certificate", Heraeus Electro-Nite, 1 day, 1998.
- "ISO 14001 Environmental Management Systems", Bureau Veritas, 3 days, 1997.
- "Leadership", MESS Education Foundation, 2 days, 1997
- "Communication in Organisation", I.D.E.A., 1 day, 1997
- "Inner Organisation Auditor Education", I.D.E.A., 2 days, 1997.
- "Inner Organisation Auditor Certificate", I.D.E.A., 3 days, 1997.
- Inner Trainings (SPC, TPM, Problem Solving Methods, etc.)

## COMPUTER LITERACY

MS Office Applications (Word, Excel, PowerPoint,...), MS Access, Internet.

## SKILLS

English (Sufficient Level)

Suitable for journeys (abroad, inner and intercity) Class C Driving License

## PERSONAL

Place and Date of Birth: Umurbey/Gemlik, 03, March 1974

Marital Status: Married

## REFERENCES

Levent OZMEN

Engineering Manager of DOKTAS A.S. (Tel: +90 (0) 224-573 42 63)

Ahmet GULER

General Manager of BURCELİK A.S. (Tel: +90 (0) 224- 243 11 07 )