

Energy Dispersive X-ray Fluorescence Analyzer

OUR TEX 100TA-F

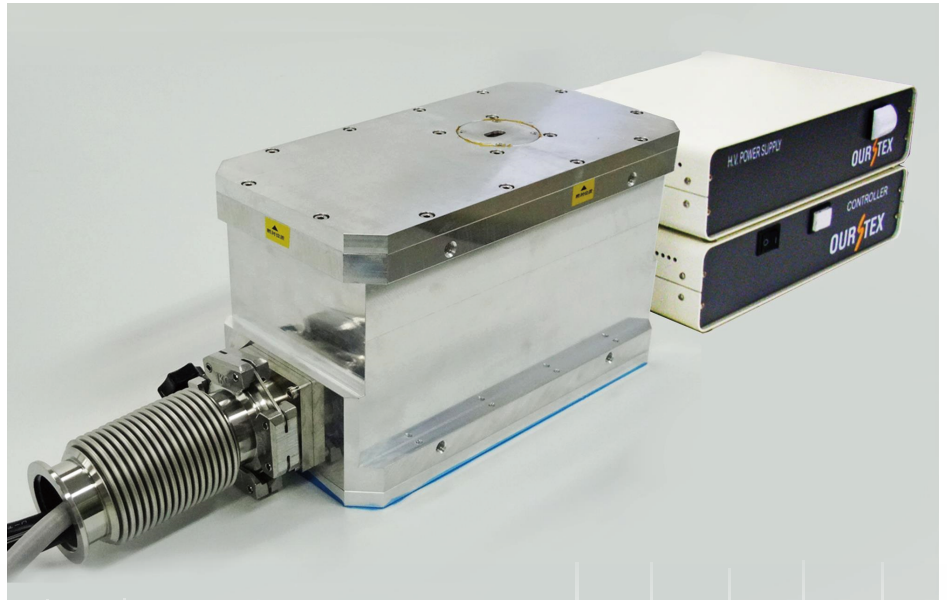
Feature

1. In line analysis of film thickness for every composing element can be performed
2. Power supply is a power-saving type of only AC100V
3. Custom made design can be performed for every use

In line analysis apparatus of high efficient film forming

Application samples

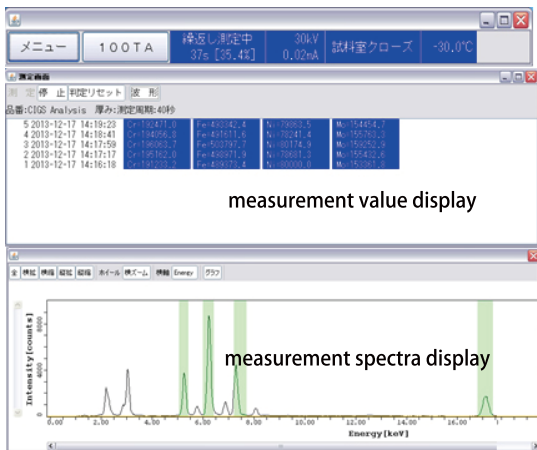
- In line analysis of high efficient film forming
- In-line analysis of metallic foil
- In-line analysis of solution · liquid



Energy value(keV)																					
Element signal																					
Atomic number																					
1 H																	2 He				
3 Li	4 Be															5 B	6 C	7 N	8 O	9 F	10 Ne
1.041 11 Na	1.253 12 Mg															1.486 13 Al	1.740 14 Si	2.013 15 P	2.307 16 S	2.621 17 Cl	2.956 18 Ar
3.312 19 K	3.690 20 Ca	4.088 21 Sc	4.508 22 Ti	4.949 23 V	5.411 24 Cr	5.894 25 Mn	6.399 26 Fe	6.924 27 Co	7.471 28 Ni	8.039 29 Cu	8.629 30 Zn	9.241 31 Ga	9.875 32 Ge	10.530 33 As	11.206 34 Se	11.907 35 Br	12.631 36 Kr				
13.373 37 Rb	14.140 38 Sr	14.931 39 Y	15.744 40 Zr	16.581 41 Nb	17.441 42 Mo	18.325 43 Tc	19.233 44 Ru	20.165 45 Rh	21.122 46 Pd	22.102 47 Ag	23.107 48 Cd	24.137 49 In	25.191 50 Sn	26.272 51 Sb	27.378 52 Te	28.509 53 I	29.667 54 Xe				
30.852 55 Cs	4.464 56 Ba	Lanthanoid 57-71	7.893 72 Hf	8.139 73 Ta	8.390 74 W	8.644 75 Re	8.903 76 Os	9.166 77 Ir	9.433 78 Pt	9.703 79 Au	9.978 80 Hg	10.257 81 Tl	10.540 82 Pb	10.826 83 Bi	11.118 84 Po	11.413 85 At	11.712 86 Rn				
12.015 87 Fr	12.324 88 Ra	Actinoid 89-103	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt													
Lanthanoid		4.648 57 La	4.837 58 Ce	5.031 59 Pr	5.227 60 Nd	5.430 61 Pm	5.532 62 Sm	5.842 63 Eu	6.053 64 Gd	6.269 65 Tb	6.490 66 Dy	6.715 67 Ho	6.943 68 Er	7.174 69 Tm	7.409 70 Yb	7.649 71 Lu					
Actinoid		12.635 89 Ac	12.951 90 Th	13.271 91 Pa	13.595 92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr					

Samples of film thickness analysis of film forming by **OURSTEX 100TA-F**

● Sample of analysis

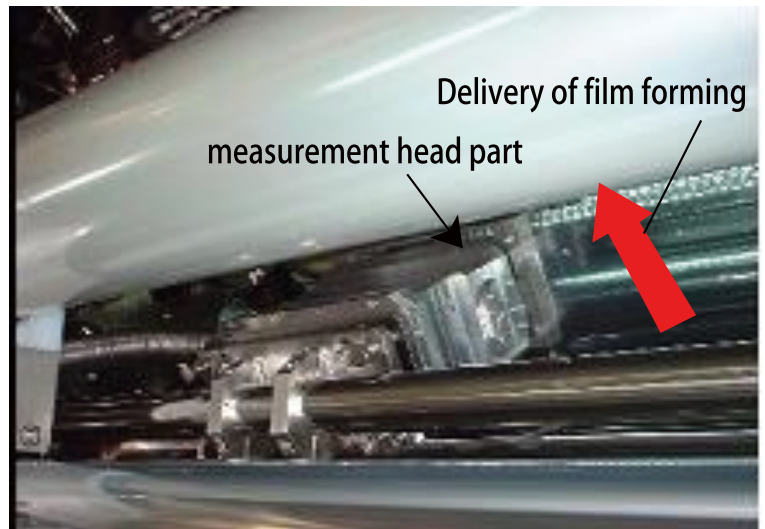


● Sample of OURSTEX100TA-F arrangement



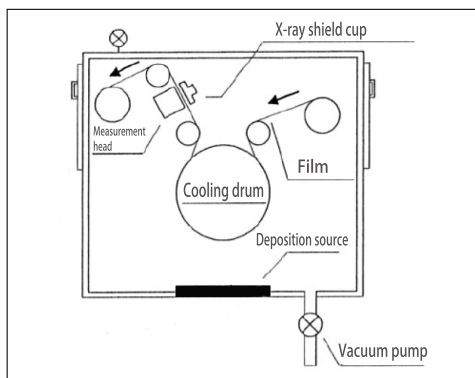
measurement head portion controller portion Lap top PC
(XG power supply portion) for operation

● Setting example of measurement head part



Measurement head can be installed within vacuum.
(Please consult in detail.)

● Setting method of film forming



Specification (standard)

Measurement principle	Energy Dispersive X-ray fluorescence analysis method
Measurement object	Film etc.
Power supply	AC100V~240V
Installation environment temperature	5~27°C
Equipment colling	water cooled※1
X-ray rated power	40(kV)-1.0(mA), MAX40(W)
Size of measuring head part	266(W)×136(D)×160(H)mm ※2

※1 : Measuring head (inside) must be water-cooled target
※2 : Sizes shall be changed without pre-notice

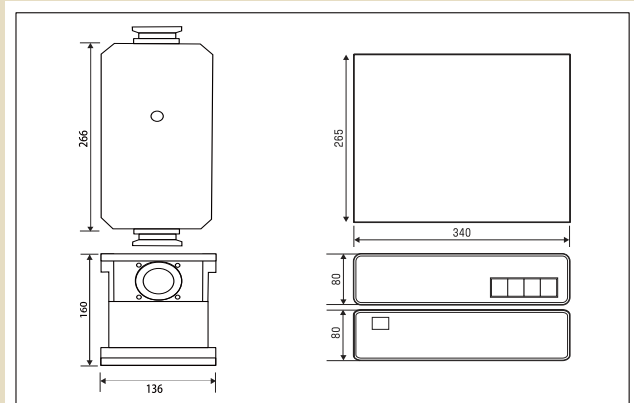
Before an implementation of OURSTEX100TA-F, a notification to Labor Standards Supervision Office is required

⚠ For your correct and safe use, please be sure to read the operation manual in advance.

Contact for Inquiry



Dimensional drawing



● Please consult about detailed specification such as measuring element, accuracy, operation.
● The product specifications or designs in this literature are subject to change without notice for improvements.
● The product colors may differ from actual ones due to printing.

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