

Outline

The Purity Adjustment System is a semi-automatic production supporting system which measures the color purity of a CRT by checking the electron beam landing position.

This PC-based system provides excellent graphics display and guidance to assist operator to align the 2P and DY position.

What's New?

1. Frame Grabber / Picture Analyzer

Instead of Panasonic VS-6120A,

Now, we are using :

Matrox Meteor-II/Multi-Channel



- ❖ **High Speed & Low cost Image Process card** used for component RGB interlaced or progressive Scan Video Acquisition.

- ❖ Support for Microsoft® Windows® 98, Windows NT® 4.0, Windows® 2000, Windows® Me, and Windows® XP

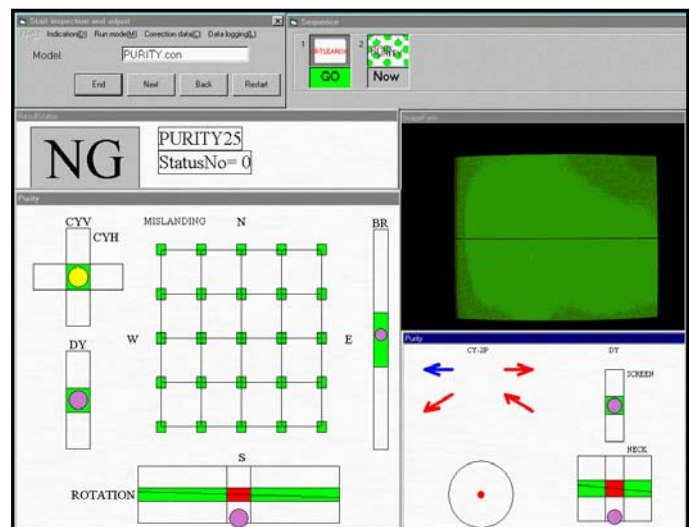
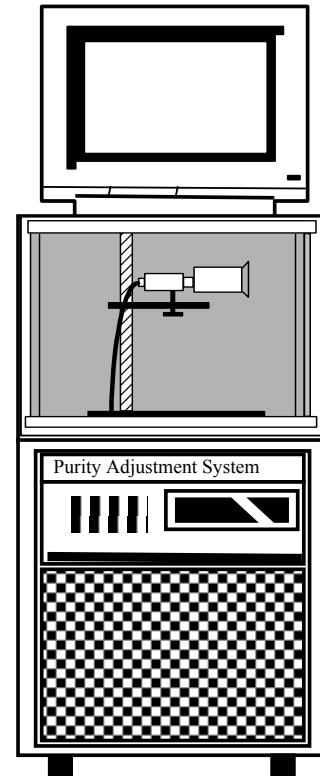
2 To be used for more Big TV size:

- ❖ 14" --- 36"W (16:9)
- ❖ More measuring area: 25 points of Purity measuring;
- ❖ More fast: 15 sampling/sec;

3 More Options you can select:

- ❖ Video Signal Generator:
Panasonic: VS-7103A
or ASTRO: VG-847 (for HDTV)
or Visontec: VAS-14
- ❖ Camera Mecha for easy model changes:
Manual Camera macha
or Auot Camera macha (with Stoper motor)

4 Operation Interface is compatible with previous system: VS-6110 & VS-6120A.

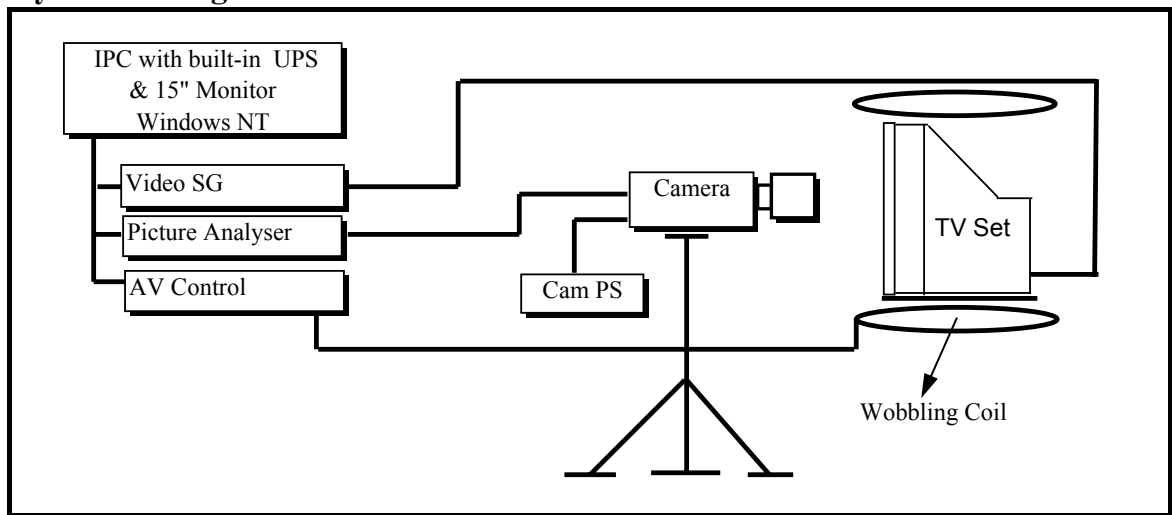


Technical Specification

1. Specifications

<p>System Components</p> <ul style="list-style-type: none"> Industrial Computer (PentiumIII 933MHz or more) CCD Camera with Standard Lens & Green Filter Picture Analyser Module (16 bits DSP, 60MHz) Wobbling Coil <p>TV Set (DUT)</p> <ul style="list-style-type: none"> CRT Size 14" ~ 36" W (16:9) Aspect Ratio Normal & Wide Screen Video Mode PAL/NTSC <p>Measurement</p> <ul style="list-style-type: none"> Resolution 0.1% of phosphore size Accuracy $\pm 5 \mu\text{m}$ <p>Wobbling</p> <ul style="list-style-type: none"> Strength $\pm 0.5\text{G}$ Direction Left/Right <p>Power Supply</p> <ul style="list-style-type: none"> 230VAC, 50Hz 	<p>Other Hardwares</p> <ul style="list-style-type: none"> AV Control Module(DIO, IIC Control) Video Signal Generator Module Camera holder & Y Adjustor <p>Measurement Items</p> <ul style="list-style-type: none"> 25 Points landing & rotation CP & DY position <p>Manual</p> <ul style="list-style-type: none"> Operation and Maintenance <p>Software</p> <ul style="list-style-type: none"> Standard Purity Adjustment Software Measurement Condition File Editor (including Test Specifacaton Entry) <p>Optional</p> <ul style="list-style-type: none"> Opt1: Data Collection & Analysis Software Opt1: System Rack Frame Opt3: Auto Camera mecha (X-Y direction)
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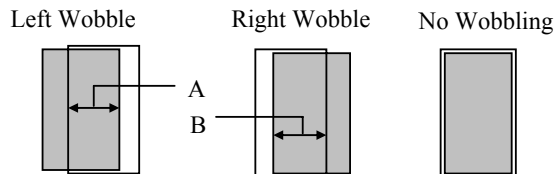
2. System Configuration



3. Purity measurement using full screen wobbling

In the purity measurement, the whole beam close to the CRT gun is shifted to allow the full screen to be wobbled

Using the L/R wobbling, the beam is centered by equalizing beam width A and B



For future information, please contact:

Manufactory: (Reg. No. 200312647N)

VISIONTEC

Industrial Vision Technology (S) Pte Ltd

Blk 67, #06-22/23, Ayer Rajah Crescent
Singapore 139950

Tel: +65 6563 6110 Fax: +65 6563 1556

email: sales@visiontec.com.sg